EXHIBIT 40

IN THE UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF NEW JERSEY

----X

IN RE: JOHNSON & JOHNSON

TALCUM POWDER PRODUCTS

MDL No.:

MARKETING, SALES PRACTICES,

16-2738 (FLW)(LHG)

AND PRODUCTS LIABILITY

LITIGATION

----X

ORAL AND VIDEOTAPED DEPOSITION OF DANIEL L. CLARKE-PEARSON, M.D.

MONDAY, FEBRUARY 4, 2019

9:03 A.M.

Taken by the Defendants at The Carolina Inn 211 Pittsboro Street Chapel Hill, North Carolina 27516

- - -

Reported by Sophie Brock, RPR, RMR, RDR, CRR

- - -

GOLKOW LITIGATION SERVICES 877.370.3377 ph | 917.591.5672 fax deps@golkow.com

		Page 2		Page	e 4
1	APPEARANCES		1	INDEX OF EXAMINATIONS	
2	ON BEHALF OF THE PLAINTIFFS:		2	PAGE	
3	BEASLEY, ALLEN, CROW, METHVIN, PORTIS & MILES, P.C.		3 4	BY MR. ZELLERS	
4	218 Commerce Street		5	BY MR. MIZAGALA	
	Montgomery, Alabama 36104		6	BY MS. O'DELL	
5	Telephone: (334) 269-2343 By: LEIGH O'DELL, ESQ.		7		
6	leigh.odell@beasleyallen.com		8	INDEX OF EXHIBITS NUMBER DESCRIPTION MARKED	
	MARGARET THOMPSON, MD, JD, MPAff		9 10	NUMBER DESCRIPTION MARKED Exhibit 1 Notice of Deposition of	
7	margaret.thompson@beasleyallen.com		1 10	Daniel L. Clarke-Pearson	
8 9	- and - BLOOD, HURST & O'REARDON, LLP		11		
-	501 West Broadway, Suite 1490			Exhibit 2 Invoice from UNC School of 16	
10	San Diego, California 92101		12	Medicine to Beasley Allen Law Firm, dated January 4, 2019	
11	Telephone: (619) 338-1100 By: PAULA R. BROWN, ESQ.		13	1 mm, dated January 4, 2019	
	pbrown@bholaw.com			Exhibit 3 Dr. Clarke-Pearson's list of 26	
12			14	medicolegal cases in the past	
13	ON BEHALF OF THE DEFENDANT JOHNSON & JOHNSON:		15	five years	
14	JOHNSON & JOHNSON.		1 13	Exhibit 4 Exhibit C:	
	TUCKER ELLIS, LLP		16	Daniel Clarke-Pearson, MD,	
15	515 South Flower Street			Prior Testimony	
16	Forty-Second Floor Los Angeles, California 90071		17	Eulikit 5 Dula 26 Euro d Book of S	
	Telephone: (213) 430-3301		18	Exhibit 5 Rule 26 Expert Report of 30 Daniel L. Clarke-Pearson, MD	
17	By: MICHAEL C. ZELLERS, ESQ.		19	Exhibit 6 Exhibit B: Listing of additional33	
10	michael.zellers@tuckerellis.com			materials considered	
18	- and -		20	Published Audit and Internal Co. 20	
19			21	Exhibit 7 Article titled "Epidemiology of 36 Commonly Used Statistical Terms	
0.0	DRINKER BIDDLE & REATH, LLP		21	and Analysis of Clinical	
20	600 Campus Drive Florham Park, New Jersey 07932-1047		22	Studies," by Wendy R. Brewster,	
21	Telephone: (973) 549-7164			MD, PhD	
	By: JESSICA L. BRENNAN, ESQ.		23	F 1700 W T D	
22	jessica.brennan@dbr.com		24	Exhibit 8 UpToDate reprint of article 36 titled "Evidence-based medicine,"	
23 24			24		
25				authored by Arthur 1, Evans, MD.	
			25	authored by Arthur T. Evans, MD, MPH, and Gregory Mints, MD, FACP	
		Page 3	25		e 5
1	APPEARANCES (Continued)	Page 3	1	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued)	= 5
	ON BEHALF OF THE DEFENDANT	Page 3		MPH, and Gregory Mints, MD, FACP Page	= 5
1		Page 3	1 2 3	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED	e 5
1 2	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC	Page 3	1 2	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al.	e 5
1 2	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800	Page 3	1 2 3	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37	e 5
1 2 3 4	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205	Page 3	1 2 3 4	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al.	e 5
1 2 3	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800	Page 3	1 2 3 4 5	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37	e 5
1 2 3 4 5	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com	Page 3	1 2 3 4	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"47 Exhibit 12 Folder titled "ANIMALS"49	e 5
1 2 3 4 5	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and -	Page 3	1 2 3 4 5	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "LATENCY" 51	e 5
1 2 3 4 5	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP	Page 3	1 2 3 4 5 6 7 8	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	e 5
1 2 3 4 5	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and -	Page 3	1 2 3 4 5 6	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "LATENCY" 51	e 5
1 2 3 4 5 6 7 8	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058	Page 3	1 2 3 4 5 6 7 8 9	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "LATENCY" 51 Exhibit 14 Folder titled "ASBESTOS FIBROUS53 TALK LONGO, ETC"	e 5
1 2 3 4 5 6 7 8	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ.	Page 3	1 2 3 4 5 6 7 8	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	5
1 2 3 4 5 6 7 8 9 10	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058	Page 3	1 2 3 4 5 6 7 8 9	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	5
1 2 3 4 5 6 7 8 9 10 11	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com	Page 3	1 2 3 4 5 6 7 8 9 10 11	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	5
1 2 3 4 5 6 7 8 9 10 11 12	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ.	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	e 5
1 2 3 4 5 6 7 8 9 10 11	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL:	Page 3	1 2 3 4 5 6 7 8 9 10 11	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "LATENCY" 51 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53 TALK LONGO, ETC" Exhibit 15 Exhibit a: Curriculum Vitae of54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of99 Mutation and Frequency of Allelic Deletion of the 53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al.	e 5
1 2 3 4 5 6 7 8 9 10 11 12 13	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	≥ 5
1 2 3 4 5 6 7 8 9 10 11 12 13	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W.	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"	5
1 2 3 4 5 6 7 8 9 10 11 12 13 14	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"	€ 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ.	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA"37 Exhibit 11 Folder marked "EPI"47 Exhibit 12 Folder titled "ANIMALS"49 Exhibit 13 Folder titled "LATENCY"51 Exhibit 14 Folder titled "ASBESTOS FIBROUS53	€ 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 51 Exhibit 15 Exhibit A: Curriculum Vitae of 54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of 99 Mutation and Frequency of Allelic Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110	€ 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com	Page 3	1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53 TALK LONGO, ETC" Exhibit 15 Exhibit A: Curriculum Vitae of 54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of 99 Mutation and Frequency of Allelic Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and	≥ 5
1 2 3 4 5 6 7 8 9 10 11 12	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ.	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53 TALK LONGO, ETC" Exhibit 15 Exhibit A: Curriculum Vitae of 54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of 99 Mutation and Frequency of Allelic Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and Primary Peritoneal Cancer	≥ 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive	Page 3	1 2 3 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53 TALK LONGO, ETC" Exhibit 15 Exhibit A: Curriculum Vitae of 54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of 99 Mutation and Frequency of Allelic Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and	÷ 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53	2 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300	Page 3	1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53 TALK LONGO, ETC" Exhibit 15 Exhibit A: Curriculum Vitae of54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of 99 Mutation and Frequency of Allelic Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and Primary Peritoneal Cancer Prevention (PDQ®) - Health Professional Version" Exhibit 19 Letter from FDA Department of 113 Health and Human Services, dated	e 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ.	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53	e 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com	Page 3	1 2 3 4 5 6 7 8 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI"47 Exhibit 12 Folder titled "ANIMALS"49 Exhibit 13 Folder titled "ANIMALS"49 Exhibit 14 Folder titled "ASBESTOS FIBROUS53 TALK LONGO, ETC" Exhibit 15 Exhibit A: Curriculum Vitae of54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of99 Mutation and Frequency of Allelic Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and Primary Peritoneal Cancer Prevention (PDQ®) - Health Professional Version" Exhibit 19 Letter from FDA Department of 113 Health and Human Services, dated April 1, 2014, to Samuel S. Epstein, M.D.	e 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmeseha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com VIDEOGRAPHER:	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53 TALK LONGO, ETC" Exhibit 15 Exhibit A: Curriculum Vitae of 54 Daniel Lyle Clarke-Pearson, M.D. Exhibit 16 Article titled "Spectrum of 99 Mutation and Frequency of Allelic Deletion of the p53 Gene in Ovarian Cancer," by Matthew F. Kohler, et al. Exhibit 17 Article titled "Screening for 102 Ovarian Cancer," published by Daniel L. Clarke-Pearson, M.D., in The New England Journal of Medicine Exhibit 18 Article from the National 110 Cancer Institute website titled "Ovarian, Fallopian Tube, and Primary Peritoneal Cancer Prevention (PDQ®) - Health Professional Version" Exhibit 19 Letter from FDA Department of 113 Health and Human Services, dated April 1, 2014, to Samuel S.	e 5
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ON BEHALF OF THE DEFENDANT IMERYS TALC AMERICA, INC.: DYKEMA GOSSETT, PLLC 112 E. Pecan Street, Suite 1800 San Antonio, Texas 78205 Telephone: (210) 554-5549 By: JANE E. BOCKUS, ESQ. jbockus@dykema.com - and - COUGHLIN DUFFY LLP 350 Mount Kemble Avenue Morristown, New Jersey 07962 Telephone: (973) 267-0058 By: MARYAM M. MESEHA, ESQ. mmescha@coughlinduffy.com ON BEHALF OF THE DEFENDANT PERSONAL CARE PRODUCTS COUNCIL: SEYFARTH SHAW LLP 975 F Street, N.W. Washington, DC 20004-1454 Telephone: (202) 463-2400 By: JAMES R. BILLINGS-KANG, ESQ. jbillingskang@seyfarth.com ON BEHALF OF THE DEFENDANT PTI: TUCKER ELLIS 233 South Wacker Drive Chicago, Illinois 60606 Telephone: (312) 624-6300 By: JAMES W. MIZGALA, ESQ. james.mizgala@tuckerellis.com	Page 3	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MPH, and Gregory Mints, MD, FACP Page INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 9 Article titled "Emerging Themes 36 in Epidemiology," by Fedak et al. Exhibit 10 Folder marked "ASBESTOS OV CA" 37 Exhibit 11 Folder marked "EPI" 47 Exhibit 12 Folder titled "ANIMALS" 49 Exhibit 13 Folder titled "ANIMALS" 49 Exhibit 14 Folder titled "ASBESTOS FIBROUS 53	≘ 5

2 (Pages 2 to 5)

	Page 6		Page 8
1	INDEX OF EXHIBITS (Continued)	1	PROCEEDINGS
2	NUMBER DESCRIPTION MARKED Exhibit 21 Article titled "Perineal Use of 136	2	THE VIDEOGRAPHER: We are now on
4	Tale and Risk of Ovarian Cancer," by H. Langseth, et al.	3	record. Today's date is February 4, 2019, and the
5	Exhibit 22 Article titled "Genital Use of 152	4	time is approximately 9:03 a.m.
6	Talc and Risk of Ovarian Cancer: A Meta-Analysis," by Wera Berge,	5	This is the videotaped deposition of
7	et al.	6	Dr. Daniel Clarke-Pearson. It's being taken in
8	Exhibit 23 Ovid SP printout of article 152 titled "Genital Use of Talc and	7	regards to the Talcum Powder Litigation, MDL No. 2738.
	Risk of Ovarian Cancer: A	8	Would counsel please now introduce
9	Meta-Analysis," by Wera Berge, et al.	9	themselves for the record, and then our court reporter
10	Exhibit 24 Article titled "Perineal Talc 153	10	will swear in the witness.
11	Use and Ovarian Cancer A	11	MS. O'DELL: Leigh O'Dell from
12	Systematic Review and Meta-Analysis," by Ross	12	Beasley Allen, on behalf of the plaintiffs.
13	Penninkilampi and Guy D. Eslick	13	MS. THOMPSON: Margaret Thompson,
14	Exhibit 25 Article titled "Association 159 between Body Powder Use and	14	Beasley Allen, on behalf of the plaintiffs.
	Ovarian Cancer: The African	15	MS. BROWN: Paula Brown from Blood,
15	American Cancer Epidemiology Study (AACES)," by Joellen M.	16	Hurst & O'Reardon, on behalf of the plaintiffs.
16 17	Schildkraut, et al. Exhibit 26 Article titled "The Association 190	17	MR. ZELLERS: Michael Zellers, on
	Between Talc Use and Ovarian	18	behalf of the Johnson & Johnson defendants.
18	Cancer A Retrospective Case-Control Study in Two US	19	MS. BRENNAN: Jessica Brennan, on
19	States," by Daniel W. Cramer, et al.	20	behalf of the Johnson & Johnson defendants.
20		21	MR. BILLINGS-KANG: James
21	Exhibit 27 Article titled "The	22	Billings-Kang, Seyfarth Shaw, on behalf of Personal
22	Cosmetic Talc Usage and Ovarian Talc Particle Burden," by	23	Care Products Council.
23	Debra S. Heller, MD, et al.	24	MS. BOCKUS: Jane Bockus, on behalf of
24 25		25	Imerys.
1 2 3 4 5 6 7 8 9 10	INDEX OF EXHIBITS (Continued) NUMBER DESCRIPTION MARKED Exhibit 28 Article titled "Talcum Powder, 238 Chronic Pelvic Inflammation and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer," by Melissa A. Merritt, et al. Exhibit 29 Health Canada Decision-Making 292 Framework for Identifying, Assessing, and Managing Health Risks, dated August 1, 2000 Exhibit 30 Systematic Review and 300 Meta-Analysis of the Association between Perineal Use of Talc and Risk of Ovarian Cancer, by Mohamed Kadry Taher, et al.	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. MESEHA: Maryam Meseha, on behalf of Imerys. MR. MIZGALA: James Mizgala, on behalf of PTI. Whereupon, DANIEL L. CLARKE-PEARSON, MD, having first been duly sworn/affirmed, was examined and testified as follows: EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. Can you state your name, please. A. Yes. Daniel Lyle Clarke-Pearson. Q. Dr. Clarke-Pearson, we're here to take your deposition in the talcum powder MDL litigation.
13		16	You're aware of that?
14 15		17	A. Yes, sir.
TO		18	Q. You've given a number of depositions in the
		19	past; is that right?
16 17			A. I have.
16 17 18		20	A. I liave.
16 17 18 19		20 21	
16 17 18 19 20		21	Q. You are familiar with the rules that we're
16 17 18 19		21 22	Q. You are familiar with the rules that we're going to follow here today?
16 17 18 19 20 21		21	Q. You are familiar with the rules that we're

25

Daniel L. Clarke-Pearson, M.D

	Daniel L. Clark	e-Pe	arson, M.D.
	Page 10		Page 12
1	you don't understand and we'll repeat or rephrase the	1	you know, across the board. If there is a document
2	question so it's clear to you.	2	that he has in his possession that may be
3	Can you do that?	3	objectionable, then he can tell us what it is and you
4	A. Yes, sir.	4	can assert your objection.
5	Q. If you answer a question, we're going to	5	MS. O'DELL: Well, you asked if he had
6	assume that you understood it. Is that fair?	6	brought them here, and Dr. Clarke-Pearson has only
7	A. Fair.	7	brought materials subject to requests that are not
8	MS. O'DELL: Objection.	8	objectionable, which include the materials listed in
9	BY MR. ZELLERS:	9	his materials-considered list that are in the binders
10	Q. As we go along, only one of us can speak at a	10	behind me on the table.
11	time. So please try to let me finish my question	11	They also include binders of cited
12	before you answer. I will try to allow you to finish	12	materials, his report, invoices, and the cases in
13	your answer so that we can get the best record	13	which he has provided testimony within the last five
14	possible.	14	years. I think he has a copy of his report in front
15	Is that agreeable?	15	of him.
16	A. Agreeable.	16	Those are the materials we view to be
17	Q. All right. You are following this,	17	nonobjectionable, and those are what
18	apparently, on the realtime; is that right?	18	Dr. Clarke-Pearson has brought with him today.
19	A. Yes.	19	MR. ZELLERS: Okay. Ms. O'Dell, as
20	Q. Is that going to be distracting to you?	20	we I would appreciate it if you let the witness
21	A. It might be.	21	answer the questions. I do appreciate the
22	Q. All right. Well, have you ever done that	22	clarification. But, as we go along today, if you'll
23	before in a deposition?	23	do your best, you know, to follow the rules. I mean,
24	A. No, sir.	24	the both of us need to follow in terms of objections.
25	Q. Well, if it becomes distracting, then we'll	25	I'd appreciate it.
	Q. Well, if it becomes distracting, then we fi		Tu appreciate it.
	Page 11		Page 13
1	deal with it.	1	MS. O'DELL: Well, certainly, I'm going
2	You are here pursuant to a notice of	2	to follow the rules today, but it's because of the
3	deposition. We've marked the notice of deposition as	3	objections asserted and because it's unclear to what
4	Exhibit 1.	4	degree Dr. Clarke-Pearson is familiar with all the
5	(Exhibit No. 1 was marked for identification.)	5	requests and all the objections, then that was just a
6	BY MR. ZELLERS:	6	difficult question for him maybe an unfair question
7	Q. Can you take a look at that and let us know	7	for him. And so I have responded in keeping with our
8	if you've seen that before?	8	previously served objections.
9	MS. O'DELL: I would just reassert that	9	MR. ZELLERS: I don't think asking him
10	the objections to certain document requests in the	10	if he's gone through the request for production of
11	notice, I think those were previously served.	11	documents and can identify for us any documents that
12	MR. ZELLERS: Yes, we did receive the	12	are in your possession that are responsive that you've
13	objections of plaintiffs.	13	not brought here today, I don't think that is a
14	THE WITNESS: Yes, I've seen this.	14	difficult question. But let's have Dr. Clarke-Pearson
15	BY MR. ZELLERS:	15	answer it.
16	Q. If you go to beginning on page 3, there	16	THE WITNESS: I don't think I've
17	are a number of documents that are requested be	17	brought any of these documents here today. Counsel
18	produced here today.	18	has some of them, like my curriculum vitae.
19	Have you either brought with you here today	19	BY MR. ZELLERS:
20	or supplied to counsel for plaintiffs all of the	20	Q. My question, I guess, goes to so that we
21	documents and materials in your possession that are	21	can identify whether there's anything at all for us
22	requested in the deposition notice?	22	that we need to fight about should be produced.
23	MS. O'DELL: To the degree that they	23	Are there documents that are responsive to
24	are not objectionable	24	the notice of deposition that are not being produced
	J		

here today, to your knowledge, that originated from

MR. ZELLERS: No. My question goes,

25

Page 14 Page 16 1 you and are in your possession? and then has advised me that you have reviewed a 2 A. I think let's just walk through the list, 2 number of additional materials since you prepared your 3 3 then. I don't have a CV in my possession, but counsel report. So I'd like to go through those now, if we 4 4 5 5 Q. And, Doctor, to shortcut this, I don't need Notice of deposition, Exhibit 2, is a copy, 6 6 to go through and ask you, you know, what documents it appears, of your invoices in this matter. Is that 7 are being produced. 7 8 Are you aware of documents that are called 8 (Exhibit No. 2 was marked for identification.) 9 9 for in the notice of deposition that are not being THE WITNESS: Yes, sir. 10 10 BY MR. ZELLERS: produced today? 11 A. I don't -- I would have to go through this 11 Q. You have spent a total of 20 hours working on 12 list. I don't have any documents with me aside from 12 this matter since being retained back in April of 13 13 2017; is that right? what you've just described. 14 Q. So you've reviewed the notice of deposition 14 MS. O'DELL: Object to the form. 15 in preparation for today; correct? 15 THE WITNESS: Up until the preparation 16 16 A. Yes. of -- and submission of my report, I spent 20 hours. 17 BY MR. ZELLERS: 17 Q. You knew that was important; correct? 18 A. Yes. 18 Q. All right. You prepared your report, you 19 Q. And yet you're unable to tell us whether or 19 edited your report, and you submitted your report on 20 not there are documents that are in your possession 20 November 4th of 2018; is that right? 21 that are called for in the notice of deposition that 21 A. I believe it was -- I submitted it, but 22 you are not producing today; is that right? 22 I think it was November 16th, 2018. 23 MS. O'DELL: Objection. That's not 23 Q. Did you bill any time or spend any time on 24 24 the MDL talcum powder litigation between correct, but --25 25 MR. ZELLERS: Well, he can answer. November 4th of 2018 and the end of the year, Page 15 Page 17 1 MS. O'DELL: I've made my objection --1 December 31st of 2018? 2 MR. ZELLERS: Understood. 2 A. Yes. 3 MS. O'DELL: -- which I'm perfectly Q. How much additional time did you spend during 3 4 entitled to do that, as you know. 4 that time? 5 MR. ZELLERS: You certainly are. You 5 A. I don't know exactly. I'd have to go back to 6 6 several notes that I have on records and papers and certainly are. MS. O'DELL: So, Dr. Clarke-Pearson, 7 7 that sort of thing. I would say between 8 8 just answer to the best of your knowledge, and, of November 4th and today, it's been about 60 hours. 9 9 course, there are objections that have been asserted; Q. 60 additional hours? 10 and to the degree you're not familiar with those 10 A. Yes, sir. Q. So you spent 20 hours talking with counsel, 11 details, then counsel and I can sort that out later. 11 12 THE WITNESS: So documents -- I do not 12 doing whatever research and analysis you needed to do, 13 and writing your report; is that right? 13 have any of these documents in my possession. For 14 example, I thought I saw -- passed you a document 14 Q. You have spent an additional 60 hours since 15 showing my billing and collections to date. Isn't 15 16 that right on top? 16 that time; is that right? 17 BY MR. ZELLERS: 17 18 Q. My question was are you aware, as you sit 18 Q. If your invoice is dated January 4th of 2019, 19 here right now, of any documents that you have that 19 Exhibit 2, why does none of that time appear on your 20 are responsive to the notice of deposition that are 20 21 not in the large pile of materials that we have here 21 A. Because my accounting office turned this over 22 today? 22 on January 4th. I submitted -- I submitted this 23 A. I'm not aware of any. 23 invoice to my business manager, and this is when it 24 Q. All right. Ms. O'Dell produced for us or 24 was submitted from our office. 25 25 provided to me two documents prior to the deposition Q. I guess I don't understand. You tell me that

	Page 18		Page 20
1	you have worked a considerable amount of time between	1	Ms. O'Dell strike that with Dr. Thompson over
2	November 4th of 2018 and the end of 2018; correct?	2	the years?
3	A. Yes.	3	A. I believe she probably called me somewhere
4	Q. Why is that time and those hours not	4	before April 17th when I was retained and described
5	reflected on your invoice which is dated January 4th	5	work that was ongoing with talcum powder. So we had a
6	of 2019?	6	conversation. I didn't bill for that.
7	A. Because I hadn't submitted the request for my	7	Q. You knew Dr. Thompson socially before being
8	business manager to submit the invoice to the	8	retained; is this correct?
9	attorneys.	9	A. Yes.
10	Q. Why did you cut off your time entry as of	10	Q. Other than
11	November 4th, 2018?	11	A. And excuse me. And professionally.
12	MS. O'DELL: Object to the form.	12	Q. Socially and professionally.
13	THE WITNESS: I think there was a gap.	13	What professional interaction did you have
14	I can't tell you when I picked up again after	14	with Dr. Thompson since the time that you were a
15	November 4th, after I did the report. There was a	15	resident and a fellow at Duke University?
16	time when I wasn't actively involved reading,	16	A. Okay. So since that time I mean,
17	preparing.	17	throughout her residency, we were professionally
18	BY MR. ZELLERS:	18	involved with training and taking care of patients.
19	Q. Do you keep track of the time that you spend	19	Subsequent to her completing her residency, I've not
20	doing activities as an expert witness in the MDL	20 21	had any professional interaction with her per se.
21	talcum powder litigation?	21	Q. Were you socially involved with Dr. Thompson
22 23	A. Yes.	23	while the two of you were at Duke? A. No.
24	Q. And do you keep that on a regular, systematic basis?	24	
25	A. Not so much.	25	Q. You might go to events and see one another, but in terms of any relationship between the two of
23	A. Not so much.	23	but in terms of any relationship between the two of
	Page 19		Page 21
1	Q. Were you first retained back in April of 2017	1	you, there was none; is that fair?
2	by Ms. O'Dell and by Ms. Thompson?	2	A. I guess you'll have to define "relationship"
3	A. Yes, I believe so.	3	for me.
4	Q. Had you known Ms. O'Dell or any attorneys	4	Q. Well, I was trying to make it easy.
5	from her office, the Beasley Allen office, prior to	5	Did you socialize with other persons in the
6	being contacted in this litigation?	6	internship and residency programs while you were at
7	A. I had not known Ms. O'Dell. I knew	7	Duke?
8	Dr. Thompson.	8	A. Yes. And faculty and spouses, yes.
9	Q. How did you know Dr. Thompson?	9	Q. And Dr. Thompson was one of those persons; is
10	A. Dr. Thompson and I were residents at Duke	10	that right?
11	University Medical Center. I was a few years ahead of	11	A. Yes, sir.
12	her, but we were in the residency training program.	12	Q. Do you know Dr. Thompson's husband or former
	And then I began my fellowship and gynecologic	13	husband?
13	oncology at Duke, and I believe Dr. Thompson was still	14	A. I did not.
14			
14 15	a resident during part of that time.	15	Q. All right. Your contact was solely with
14 15 16	a resident during part of that time. Q. Did you make maintain contact with	16	Dr. Thompson; is that right?
14 15 16 17	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years?	16 17	Dr. Thompson; is that right? A. Yes.
14 15 16 17 18	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a	16 17 18	Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by
14 15 16 17 18	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although	16 17 18 19	Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any
14 15 16 17 18 19 20	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but	16 17 18 19 20	Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her?
14 15 16 17 18 19 20 21	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but Q. These were alumni meetings at Duke	16 17 18 19 20 21	Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her? A. No, sir.
14 15 16 17 18 19 20 21	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but Q. These were alumni meetings at Duke University; is that right?	16 17 18 19 20 21 22	Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her? A. No, sir. Q. Were you asked to review any medicolegal
14 15 16 17 18 19 20 21 22 23	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but Q. These were alumni meetings at Duke University; is that right? A. With regard to the obstetrical and	16 17 18 19 20 21 22	Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her? A. No, sir. Q. Were you asked to review any medicolegal matters for her?
14 15 16 17 18 19 20 21	a resident during part of that time. Q. Did you make maintain contact with Dr. Thompson over the years? A. Off and on. Probably on average about once a year at an alumni meeting that we attended, although neither one of us attended every year, but Q. These were alumni meetings at Duke University; is that right?	16 17 18 19 20 21 22	Dr. Thompson; is that right? A. Yes. Q. Over the years, prior to being retained by Dr. Thompson in this litigation, did you review any medicolegal matters for her? A. No, sir. Q. Were you asked to review any medicolegal

24

25

since 1975, when I began my residency training, the

conversation in the gynecologic community and the

Daniel L. Clarke-Pearson, M.D.

Page 24 Page 22 A. Did I misunderstand? GYN oncology community has been one of could talcum 1 1 2 Q. Well, and at least what I had hoped was the 2 powder be associated with the occurrence of ovarian 3 3 distinction is that I had asked you if you had cancer? 4 reviewed any matters, and then the second question was 4 And, in fact, I think, in the early '70s, we 5 5 believed it did; and then I was told as a trainee that whether or not Dr. Thompson had requested that you 6 6 review any medicolegal matters for her. talcum powder previously had had asbestos in it, and 7 A. Okay. So it's a two-part question. I did 7 then we were told it was taken out. So that was very 8 8 not review any matters, and Dr. Thompson hadn't reassuring. 9 requested me to review any medicolegal matters. 9 Yet periodically over the years, papers came 10 Q. When -- well, strike that. 10 out -- case-control studies, cohort studies -- off and 11 11 What did Dr. Thompson ask you to do with on that continued to raise the question. 12 respect to the MDL talcum powder litigation? 12 So the question has been in my mind. And, 13 A. At the time of the conference call with 13 really, it wasn't until I really started thinking 14 Ms. O'Dell and Dr. Thompson, I was asked to evaluate 14 about this and gathered up all the literature that it 15 15 became clear to me, and I formed my opinion. and offer my opinion regarding talcum powder and 16 Q. That was my question. When did you form your 16 whether it was causative to the occurrence of ovarian 17 17 cancer in women who use talcum powder on their opinion that talcum powder is causally related to perineum. 18 18 ovarian cancer when used by women in the genital area? 19 Q. Were you asked to research or answer any 19 A. Well, some -- I'm not sure there was a 20 other question other than that? 20 particular day when the light bulb went off. I think 21 A. So in my report, I think I make it clearer 21 in the process of digging into this issue in more 22 than what I just described. So "Can the use of talcum 22 detail and putting together all the case-control 23 powder in the perineal area cause epithelial ovarian 23 trials that had come out over a period of time and the 24 cancer?" and also, "If so, what biologic mechanism did 24 meta-analysis that had come out over a period of time 25 25 this -- by which did this occur?" were the two key that kept raising questions, when I started to put Page 23 Page 25 1 questions I was asked to form an opinion on. 1 that all together, it became clear to me that, in my 2 2 Q. You mentioned that you did speak with opinion, talcum powder causes ovarian cancer. 3 Dr. Thompson prior to the conversation with Ms. O'Dell 3 Q. That was sometime after you were contacted 4 4 and Dr. Thompson. and retained in this matter back in April of 2017 as 5 5 What, at that time, did Dr. Thompson tell an expert for the plaintiffs; correct? 6 6 you about the litigation? A. It was the request to provide opinions and to 7 7 A. I don't recall details. It was that she was develop an opinion, and I -- yes. 8 8 working on cases that had to do with talcum powder and Q. All right. Do you agree that the medical 9 9 ovarian cancer. community as a whole has not reached a consensus that 10 Q. Do you recall any other background that you 10 talcum powder causes ovarian cancer? 11 were provided? 11 MS. O'DELL: Object to the form. 12 12 A. Not at that time. Excuse me. 13 13 Q. Did you understand that Dr. Thompson was THE WITNESS: I think we're at a 14 representing the plaintiffs in this matter, along with 14 tipping point in that question. 15 a number of other attorneys? 15 BY MR. ZELLERS: 16 A. Yes. 16 Q. Can you answer that question? 17 Q. Prior to being contacted by Dr. Thompson and 17 A. Well, I think you would have to define "the 18 by Ms. O'Dell, had you formed opinions in terms of 18 medical community" for me. 19 19 whether or not talcum powder was causally related to Q. Well, let's be more specific. 20 ovarian cancer for women who used it in the perineal 20 Has the gynecologic oncologist medical 21 region? 21 community reached a consensus that talcum powder 22 A. So that's an interesting question, because it 22 causes ovarian cancer? 23 goes back to my training. And throughout the years, 23 A. As best I know, not at this time.

Q. All right. You also -- Ms. O'Dell provided

me with an updated list of your testimony; is that

24

25

	Page 26		Page 28
1	right?	1	BY MR. ZELLERS:
2	MR. ZELLERS: We'll mark that as	2	Q. The medical malpractice cases that you have
3	Exhibit 3.	3	listed Edmonson, Pizzirusso, and Paduda were you
4	(Exhibit No. 3 was marked for identification.)	4	serving as an expert for plaintiff or defense in those
5	THE WITNESS: Yes, sir.	5	cases?
6	BY MR. ZELLERS:	6	A. In all three of those cases, for the defense.
7	Q. The testimony that you provided back in	7	Q. Over the years, you have done a lot of
8	November of 2017 strike that November of 2018,	8	testifying in medical malpractice cases. Is that
9	when you submitted your report, Exhibit C we'll	9	fair?
10	mark that as Deposition Exhibit 4	10	MS. O'DELL: Object to the form.
11	(Exhibit No. 4 was marked for identification.)	11	THE WITNESS: I don't know how you
12	Q contained just one listing of testimony;	12	define "a lot."
13	is that right?	13	BY MR. ZELLERS:
14	A. Yes.	14	Q. Have you given at least up until 2005 or
15	Q. What has changed since you prepared your	15	so, did you give about three depositions a year in
16	report in November of 2018 and today with respect to	16	medical malpractice cases?
17	deposition and trial testimony that you have provided?	17	A. Probably three or more. Three to six, maybe.
18	A. I believe simply an oversight on my part.	18	Q. Since 2005, you've cut back some in terms of
19	Q. The oversight was not listing at least two of	19	your medicolegal work; is that right?
20	the matters that you had testified in in the past five	20	A. Yes.
21	years as of November of 2018; is that right?	21	Q. Is it accurate to say that, over the years,
22	A. Yes, sir.	22	you've testified about 50 percent for plaintiff and
23	Q. The Edmonson matter that you testified in	23	about 50 percent for defendants in litigation matters?
24	December of 2014, was that a medical malpractice	24	A. Yes.
25	action?	25	Q. Is the only product liability matter that you
	Page 27		Page 29
1	Page 27 A. Yes, it was a malpractice action.	1	Page 29 have testified in, other than the MDL talcum powder
1 2		1 2	
	A. Yes, it was a malpractice action.		have testified in, other than the MDL talcum powder
2	A. Yes, it was a malpractice action.Q. And September 1st of 2015, the Rappaport	2	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave
2	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her	2	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January?
2 3 4	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges?	2 3 4	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir.
2 3 4 5	 A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. 	2 3 4 5	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the
2 3 4 5 6	 A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you 	2 3 4 5 6	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you
2 3 4 5 6 7	 A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? 	2 3 4 5 6 7	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials
2 3 4 5 6 7 8	 A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in 	2 3 4 5 6 7 8	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of
2 3 4 5 6 7 8	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York.	2 3 4 5 6 7 8	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right?
2 3 4 5 6 7 8 9	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter	2 3 4 5 6 7 8 9	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes.
2 3 4 5 6 7 8 9 10	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that?	2 3 4 5 6 7 8 9 10	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report?
2 3 4 5 6 7 8 9 10 11	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the	2 3 4 5 6 7 8 9 10 11	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you
2 3 4 5 6 7 8 9 10 11 12	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on	2 3 4 5 6 7 8 9 10 11 12 13	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report?
2 3 4 5 6 7 8 9 10 11 12 13 14	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger.	2 3 4 5 6 7 8 9 10 11 12 13 14	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc,
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on	2 3 4 5 6 7 8 9 10 11 12 13 14	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger. What type of matter was that? A. It was 2019.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc, I may refer to talcum powder, I may refer to talc products or to baby powder or to Shower to Shower.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger. What type of matter was that?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc, I may refer to talcum powder, I may refer to talc products or to baby powder or to Shower to Shower. I intend, when I use those terms, to be referring to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger. What type of matter was that? A. It was 2019.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc, I may refer to talcum powder, I may refer to talc products or to baby powder or to Shower to Shower.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger. What type of matter was that? A. It was 2019. MS. O'DELL: '19.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc, I may refer to talcum powder, I may refer to talc products or to baby powder or to Shower to Shower. I intend, when I use those terms, to be referring to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger. What type of matter was that? A. It was 2019. MS. O'DELL: '19. MR. ZELLERS: Thank you, Counsel.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc, I may refer to talcum powder, I may refer to talcum products or to baby powder or to Shower to Shower. I intend, when I use those terms, to be referring to the baby powder product manufactured by Johnson &
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger. What type of matter was that? A. It was 2019. MS. O'DELL: '19. MR. ZELLERS: Thank you, Counsel. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc, I may refer to talcum powder, I may refer to talcum products or to baby powder or to Shower to Shower. I intend, when I use those terms, to be referring to the baby powder product manufactured by Johnson & Johnson Consumer Products Inc. and the Shower to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes, it was a malpractice action. Q. And September 1st of 2015, the Rappaport matter, that was a physician who was losing his or her privileges? A. He was being fired from his practice. Q. The Pizzirusso case or matter that you provided testimony in March of 2015, what was that? A. That was a medical malpractice case in Brooklyn, New York. Q. January of 2019, Paduda, what type of matter was that? A. This was I need to make sure I've got the two straight here. Yes, it's a medical malpractice case. Q. And then, finally, you were deposed on January 22nd of 2009 in a matter called Cutsinger. What type of matter was that? A. It was 2019. MS. O'DELL: '19. MR. ZELLERS: Thank you, Counsel. BY MR. ZELLERS: Q. January 22nd of 2019.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	have testified in, other than the MDL talcum powder litigation, the morcellator deposition that you gave earlier in this year, in January? A. Yes, sir. Q. Ms. O'Dell advised us at the start of the deposition that, in addition to the materials that you cite in your report and in your additional materials list, that you have now reviewed a number of additional materials prior to today; is that right? A. Yes. Q. Do those additional materials that you have reviewed change in any respect the opinions that you have set forth in your report? A. They reinforce and enhance or support my opinion. Q. As we go through today, I may refer to talc, I may refer to talcum powder, I may refer to talc products or to baby powder or to Shower to Shower. I intend, when I use those terms, to be referring to the baby powder product manufactured by Johnson & Johnson Consumer Products Inc. and the Shower to Shower product formerly manufactured by Johnson &

Q. Your report which was provided to us, we mark as Deposition Exhibit 5. (Exhibit No. 5 was marked for identification.)	e will 1	
2 mark as Deposition Exhibit 5.		report?
-	2	A. Yes.
(I	Q. You've reviewed a chapter of a book by
4 BY MR. ZELLERS:	4	Creasman that was authored by Dr. Brewster; is that
5 Q. Can you just take a quick look at that and	I	right?
6 confirm for us that that is Deposition Exhibit 5?	6	A. That's correct.
7 A. It is.	7	Q. Is there anything else that you have reviewed
Q. Your report, which we have marked as	8	and are relying on in preparation for your deposition
9 Deposition Exhibit 5, does that contain all of the	, 9	today and in providing us with your opinions?
opinions that you intend to offer at any trial or	10	A. So all these references here (indicating),
11 hearing in this matter?	11	I've reviewed. I believe they're listed as part of an
12 A. I believe so, yes.	12	exhibit.
Q. Does your report identify everything that	you 13	Q. And let's, you know, be as systematic as we
are relying on in forming your opinions in this	14	can be.
15 matter?	15	Your report, Exhibit 5, has a list of
MS. O'DELL: Object to the form.	16	references; is that right?
17 THE WITNESS: Obviously, we just ta	alked 17	A. Yes.
about some additional information materials th		Q. What do you intend or what is the meaning
19 I've reviewed since writing that report, so they w	ould 19	of the references that appear as pages 11 through 14
20 be included in my opinion.	20	in your report?
21 BY MR. ZELLERS:	21	A. Those references support what I quote not
Q. We'll go through in a moment the addition	nal 22	quotes, but facts that are in my report. They don't
23 materials that you have reviewed.	23	include everything that I used in my consideration of
24 If we look at your report and if we look at	24	coming to my opinion.
25 the additional materials that you have reviewed i	in 25	Q. Deposition Exhibit 6 is Exhibit B to your
	21	D 22
Page		Page 33
preparation for the deposition, does that include all		report.
2 of the materials that you are relying on in forming	I	(Exhibit No. 6 was marked for identification.)
3 your opinion?	3	BY MR. ZELLERS:
4 A. To be clear, you're saying what I have	4	Q. Is that correct?
5 included in my report plus my additional materials	I	Is Deposition Exhibit B a listing of
6 that's what I relied on?	6	additional materials considered?
7 Q. Yes.	7	A. Yes, it is.
8 Is that correct?	8	Q. Did you actually read and consider all of the
9 A. Yes.	9	materials that are cited as Exhibit B to your report?
10 Q. Is your report accurate? 11 A. Yes.	10	A. I would say I did not read every word of
	11	every paper. I reviewed them, many times reading the
Q. Is your report complete?	12	abstract.
A. I believe it is.	13	Q. Did you read at least the abstract of each of
Q. Let's try to quickly go through, if we can,	14	the references contained as Exhibit B to your report,
the additional materials that you have reviewed sin	nce 15 16	going from page 1 through page 28? A. I believe so.
you prepared your report, Exhibit 5.	I	
17 Ms. O'Dell stated that you have reviewed the 18 Health Canada risk assessment; is that right?	I	Q. Exhibit B is meant to be materials that you
TO DEATH CAHAGA HSK ASSESSMENT: IS THAT FIGHT?	18 19	considered but are not directly relying on in
	I	formulating your opinions; is that fair?
19 A. Yes.		MS. O'DELL: Object to the form.
19 A. Yes.20 Q. You have reviewed the Taher, T-A-H-E-R,	I	THE WITNESS. That's fair
 A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, publication; is that right? 	21	THE WITNESS: That's fair.
 A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, publication; is that right? A. Yes. 	21 22	BY MR. ZELLERS:
19 A. Yes. 20 Q. You have reviewed the Taher, T-A-H-E-R, 21 publication; is that right? 22 A. Yes. 23 Q. You have reviewed the 2019 Saed paper?	21 22 23	BY MR. ZELLERS: Q. In addition to the references that are
 A. Yes. Q. You have reviewed the Taher, T-A-H-E-R, publication; is that right? A. Yes. 	21 22 23 24	BY MR. ZELLERS:

	Page 36
	elied upon?
2 have reviewed and relied upon in formulating the 2 A	. Yes, sir.
·	. We'll mark the Brewster chapter as Exhibit 7.
	xhibit No. 7 was marked for identification.)
5 A. No. 5	MR. ZELLERS: We will mark the UpToDate
6 Q. Are there any additional materials that you 6 reprin	nt as Exhibit 8.
	xhibit No. 8 was marked for identification.)
8 report other than the materials that have been 8	MR. ZELLERS: We will mark the Emerging
•	nes in Epidemiology, 2015, Fedak, as Exhibit 9.
	xhibit No. 9 was marked for identification.)
11 Q. Did you bring those additional materials with 11 BY M	MR. ZELLERS:
12 you in the folders that you have in front of you? 12 Q	. I'll return these to you, Doctor.
A. Some of them. I have the Longo updated 13	Can you show me or provide to me whatever
14 report, for example. 14 folde	rs you have brought. I don't need the binders,
15 Q. All right. I'd like to just mark, so that we 15 but ju	ust whatever additional materials you have
have a record of what it is you have reviewed, to the brough	ght with you.
extent there's any ambiguity in the record. And, for 17	(Document was handed to counsel.)
18 example, I'm looking at 18 BY M	MR. ZELLERS:
19 MS. O'DELL: Mike, excuse me. Can 19 Q	. And then it looks like you have IARC
20 I just mention one thing? 20 mono	ographs; is that right?
	. Yes.
	. Are those IARC monographs that you have
	ght with you, is that something that's either on
	reference list or your reliance list?
25 have in your hand. But you didn't mention that in 25 A	. I believe it is.
Page 35	Page 37
1 your sort of questions to Dr. Clarke-Pearson. So 1 Q.	Can you just tell us the title of the IARC
	graph that you have brought with you?
· · · · · · · · · · · · · · · · · · ·	"IARC Monographs on the Evaluation of
4 MS. O'DELL: on the I didn't mean 4 Carcin	nogenic Risks to Humans, Volume 93, Carbon Black,
5 it that way. I didn't want there to be a 5 Titani	um Dioxide, and Talc," dated 2010.
6 misunderstanding on the record. 6 Q.	The next set of materials, I'll mark these
7 MR. ZELLERS: I do understand. 7 collec	tively as Exhibit 10 so we can keep them in the
	order that you have brought them with you.
8 I appreciate the clarification. 8 same	nibit No. 10 was marked for identification.)
9 BY MR. ZELLERS: 9 (Ex	IR. ZELLERS:
9 BY MR. ZELLERS: 9 (Extended of the second	Exhibit 10, the first page is a listing of
9 BY MR. ZELLERS: 9 (Ex. 10 Q. What I had been given was a clip with the 10 BY M. 11 Brewster chapter from the Creasman textbook. But in 11 Q. 12 addition to what was on top, there is an UpToDate 12 handw	
9 BY MR. ZELLERS: 9 (Ex. 10 Q. What I had been given was a clip with the 10 BY M. 11 Brewster chapter from the Creasman textbook. But in 11 Q. 12 addition to what was on top, there is an UpToDate 12 handwords official reprint that states at the top 13 to us.	Exhibit 10, the first page is a listing of
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 (Eximple) 16 (Eximple) 17 (Eximple) 18 (Eximple) 19 (Eximple) 10 BY M. 11 Q. 12 handw 13 to us. 14 A.	Exhibit 10, the first page is a listing of vritten notes. Can you read just the first line "Exposure IARC 100C page 232."
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 Ex. 17 BY M. 18 Handwood BY M. 19 (Ex. 10 BY M. 11 Q. 12 handwood by to us. 13 to us. 14 T. Evidence-based medicine," and then it lists several 15 Q.	Exhibit 10, the first page is a listing of vritten notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to?
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 A.	Exhibit 10, the first page is a listing of written notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 that correct? 17 A. Yes. 19 (Ext.) 10 BY M. 11 Q. 12 handw 12 handw 13 to us. 14 A. 15 authors, the first of which is Arthur T. Evans; is 16 A.	Exhibit 10, the first page is a listing of written notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so e might facilitate this discussion and be able
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 A. 17 A. Yes. 18 Q. That's an additional set of materials that 19 BY M. 10 BY M. 11 Q. 12 handw 13 to us. 14 A.	Exhibit 10, the first page is a listing of virtten notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so re might facilitate this discussion and be able at documents a little bit more quickly.
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 that correct? 17 A. Yes. 18 Q. That's an additional set of materials that 19 you have reviewed and relied upon? 10 BY M. 11 Q. 12 handw 13 to us. 14 A. 15 A. 16 A. 17 that w. 18 Q. That's an additional set of materials that 19 you have reviewed and relied upon? 19 Q.	Exhibit 10, the first page is a listing of vritten notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so e might facilitate this discussion and be able documents a little bit more quickly. What discussion does Exhibit 10 relate to?
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 that correct? 17 A. Yes. 18 Q. That's an additional set of materials that 19 you have reviewed and relied upon? 20 A. Yes. 20 A.	Exhibit 10, the first page is a listing of viritten notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so the might facilitate this discussion and be able and documents a little bit more quickly. What discussion does Exhibit 10 relate to? Could I see the front of the folder, please?
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 that correct? 17 A. Yes. 18 Q. That's an additional set of materials that 19 you have reviewed and relied upon? 20 A. Yes. 21 Q. Also in the stack, and something that I did 21 Q.	Exhibit 10, the first page is a listing of written notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so the might facilitate this discussion and be able and documents a little bit more quickly. What discussion does Exhibit 10 relate to? Could I see the front of the folder, please? Sure.
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 that correct? 17 A. Yes. 18 Q. That's an additional set of materials that 19 you have reviewed and relied upon? 20 A. Yes. 21 Q. Also in the stack, and something that I did 22 not mention earlier, is "Emerging Themes in 22 A.	Exhibit 10, the first page is a listing of written notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so the might facilitate this discussion and be able and documents a little bit more quickly. What discussion does Exhibit 10 relate to? Could I see the front of the folder, please? Sure. It has to do with asbestos and ovarian
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 that correct? 17 A. Yes. 18 Q. That's an additional set of materials that 19 you have reviewed and relied upon? 19 Q. 20 A. Yes. 21 Q. Also in the stack, and something that I did 22 not mention earlier, is "Emerging Themes in 23 Epidemiology, Analytical Perspective." First author 24 In Device Park March 19 In Device Park 19 In D	Exhibit 10, the first page is a listing of written notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so the might facilitate this discussion and be able and documents a little bit more quickly. What discussion does Exhibit 10 relate to? Could I see the front of the folder, please? Sure. It has to do with asbestos and ovarian of the folder.
9 BY MR. ZELLERS: 10 Q. What I had been given was a clip with the 11 Brewster chapter from the Creasman textbook. But in 12 addition to what was on top, there is an UpToDate 13 official reprint that states at the top 14 "Evidence-based medicine," and then it lists several 15 authors, the first of which is Arthur T. Evans; is 16 that correct? 17 A. Yes. 18 Q. That's an additional set of materials that 19 you have reviewed and relied upon? 20 A. Yes. 21 Q. Also in the stack, and something that I did 22 not mention earlier, is "Emerging Themes in 23 Epidemiology, Analytical Perspective." First author 24 is Fedak. And this appears to be a 2015 publication. 24 Q.	Exhibit 10, the first page is a listing of written notes. Can you read just the first line "Exposure IARC 100C page 232." What does that refer to? I put these together, if I can explain, so the might facilitate this discussion and be able and documents a little bit more quickly. What discussion does Exhibit 10 relate to? Could I see the front of the folder, please? Sure. It has to do with asbestos and ovarian

	Page 38		Page 40
1	handwritten notes, I'll put it on the outside of the	1	MS. O'DELL: Object to the form.
2	folder, which are your references on asbestos and	2	THE WITNESS: Many of them were
3	ovarian cancer; is that right?	3	reprints that I created, and some were given to me by
4	MS. O'DELL: Object to the form.	4	counsel.
5	THE WITNESS: They are some of my	5	BY MR. ZELLERS:
6	references.	6	Q. Are you able if we went through your list
7	BY MR. ZELLERS:	7	of references that are attached to your report,
8	Q. These are the references, though, that you	8	Exhibit 5, are you able to tell me easily which ones
9	chose to bring with you today to be prepared to answer	9	came from counsel and which ones you may have found on
10	questions that the lawyers may ask?	10	your own?
11	MS. O'DELL: Object to the form. He	11	A. No, not easily.
12	brought other references as well.	12	Q. All right. Same question with respect to
13	THE WITNESS: All of these references	13	Exhibit B, this 28 pages of additional materials. Are
14	here are also could support the question in that	14	you able to separate out for us easily what materials
15	folder about asbestos and ovarian cancer.	15	came from counsel and what materials you found on your
16	BY MR. ZELLERS:	16	own?
17	Q. Who prepared the folder "Asbestos on Ovarian	17	MS. O'DELL: Object to the form.
18	Cancer"?	18	THE WITNESS: No, I can't.
19	A. I did.	19	BY MR. ZELLERS:
20	Q. Whose notes are the first page of this	20	Q. The materials that are included in Deposition
21	folder?	21	Exhibit 10, the articles that you list on your sheet
22	A. That's mine.	22	of paper and have brought with you, there is a it
23	Q. Who chose to include and to write down the	23	looks like an excerpt from the IARC working group
24	references that you did on this piece of paper?	24	relating to asbestos and different types of asbestos;
25	A. I did.	25	is that right?
	5 20		5 41
	Page 39		Page 41
-			
1	Q. The other exhibits that you have today, the	1	A. Yes.
2	exhibits that we marked, was it Exhibit 9, is that	1 2	Q. You're not an expert in asbestos; correct?
2	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter?	2	Q. You're not an expert in asbestos; correct?MS. O'DELL: Object to the form.
2 3 4	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter.	2 3 4	Q. You're not an expert in asbestos; correct?MS. O'DELL: Object to the form.THE WITNESS: It seems like I've become
2 3 4 5	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those	2 3 4 5	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material.
2 3 4 5 6	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you?	2 3 4 5 6	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS:
2 3 4 5 6 7	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office.	2 3 4 5 6 7	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold
2 3 4 5 6 7 8	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that	2 3 4 5 6 7 8	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in
2 3 4 5 6 7 8 9	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information?	2 3 4 5 6 7 8	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right?
2 3 4 5 6 7 8 9	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter	2 3 4 5 6 7 8 9	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an
2 3 4 5 6 7 8 9 10	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications.	2 3 4 5 6 7 8 9 10	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues
2 3 4 5 6 7 8 9 10 11	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular	2 3 4 5 6 7 8 9 10 11	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer.
2 3 4 5 6 7 8 9 10 11 12 13	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter,	2 3 4 5 6 7 8 9 10 11 12	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in
2 3 4 5 6 7 8 9 10 11 12 13	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did.	2 3 4 5 6 7 8 9 10 11 12 13	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes. Q. Are many of the materials that you've looked	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes. Q. Are many of the materials that you've looked at, including those on your reference list, your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	exhibits that we marked, was it Exhibit 9, is that the Brewster chapter? A. Exhibit 7 is the Brewster chapter. Q. Okay, Exhibit 7. Who provided those materials to you? A. This is from a textbook in my office. Q. Okay. Did you obtain that you know, that information? A. I'm not quite sure so I wrote a chapter for this textbook myself on surgical complications. It's a textbook that's in my office. This particular document, if you will, or reprint from that chapter, I'm not sure if I produced it or counsel did. Q. Well, it's clear at the bottom that it was produced by counsel; correct? A. Okay. Q. There's a notation that Dr. Thompson downloaded that reference back in January of this year; is that right? A. I see that, yes. Q. Are many of the materials that you've looked	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. You're not an expert in asbestos; correct? MS. O'DELL: Object to the form. THE WITNESS: It seems like I've become pretty good at it after reading all of this material. BY MR. ZELLERS: Q. Well, I understand that. But you do not hold yourself out or consider yourself to be an expert in asbestos; is that right? A. I think I've made it part of my job as an expert to become very familiar with the issues regarding asbestos and ovarian cancer. Q. Do you consider yourself to be an expert in asbestos? A. Can you define "expert," please. Q. Sure. Are you an expert in the different types of asbestos: chrysotile, amosite, crocidolite, tremolite, actinolite, and anthophyllite? A. I'm aware that there are different types of asbestos. Q. Are you an expert in it? MS. O'DELL: Object to the form.

	Page 42		Page 44
1	BY MR. ZELLERS:	1	or alleged health effects of those different types of
2	Q. You're testifying as an expert gynecologist	2	asbestos?
3	oncologist in this case; is that right?	3	A. Yes.
4	A. Yes.	4	Q. Did you consider yourself to be an expert in
5	Q. You consider yourself to be an expert in that	5	asbestos prior to being retained in this litigation in
6	field; is that right?	6	2017?
7	A. Of course.	7	MS. O'DELL: Objection. Asked and
8	Q. Do you consider yourself to be an expert, to	8	answered.
9	provide expert testimony to the jury, on asbestos and	9	THE WITNESS: I don't know when
10	the different forms of asbestos?	10	I morphed into feeling I knew more about asbestos than
11	A. I think I can testify to the jury what is in	11	I did in 1975.
12	the literature and the impact that asbestos has on	12	BY MR. ZELLERS:
13	ovarian cancer risk.	13	Q. Your the strike that.
14	Q. Prior to being retained by Dr. Thompson and	14	What gives you expertise, in your view, as
15	Ms. O'Dell, did you have professional experience with	15	an expert in asbestos is the reading that you have
16	asbestos?	16	done since being retained in this matter; is that
17	A. I'm not sure what you mean by "professional	17	right?
18	experience." I don't use it in my practice.	18	MS. O'DELL: Objection to the form.
19	Q. Did you research it?	19	Misstates his testimony.
20	A. As I said, back in 1975, when I was a	20	THE WITNESS: The knowledge that I've
21	resident, there was discussion about asbestos in	21	gained over time, including during this preparation
22	talcum powder.	22	for this deposition and my report.
23	Q. Did you consider yourself to be an expert in	23	BY MR. ZELLERS:
24	asbestos before you were retained by Dr. Thompson and	24	Q. When you were contacted by Dr. Thompson, did
25	Ms. O'Dell?	25	you consider yourself to be an expert in asbestos at
	Page 43		Page 45
1	MS. O'DELL: Object to the form.	1	that time?
2			that time:
	THE WITNESS: I was aware of issues	2	MS. O'DELL: Object to the form.
3	THE WITNESS: I was aware of issues with asbestos in terms of carcinogenic potential for	2	MS. O'DELL: Object to the form.
3 4			MS. O'DELL: Object to the form.
	with asbestos in terms of carcinogenic potential for	3	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what
4	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer.	3 4	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned
4 5	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS:	3 4 5	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then.
4 5 6	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be	3 4 5 6	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS:
4 5 6 7	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this	3 4 5 6 7	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question?
4 5 6 7 8	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter?	3 4 5 6 7 8	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in
4 5 6 7 8 9	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form.	3 4 5 6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by
4 5 6 7 8 9	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health	3 4 5 6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson?
4 5 6 7 8 9 10	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects.	3 4 5 6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define
4 5 6 7 8 9 10 11	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the	3 4 5 6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers
4 5 6 7 8 9 10 11 12 13	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions.	3 4 5 6 7 8 9 10 11 12	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource.
4 5 6 7 8 9 10 11 12 13	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying	3 4 5 6 7 8 9 10 11 12 13	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers
4 5 6 7 8 9 10 11 12 13 14 15	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic	3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos?
4 5 6 7 8 9 10 11 12 13 14 15	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with
4 5 6 7 8 9 10 11 12 13 14 15 16 17	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS:	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and its effects on the female genital tract and ovarian cancer. Q. So that's a yes, people have come to you for
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS: Q. Are you familiar with at least what the different types of claimed asbestos is in talcum powder?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and its effects on the female genital tract and ovarian cancer. Q. So that's a yes, people have come to you for some number of years as an expert on asbestos?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	with asbestos in terms of carcinogenic potential for mesothelioma and ovarian cancer. BY MR. ZELLERS: Q. Is that a yes, you considered yourself to be an expert in asbestos prior to being retained in this matter? MS. O'DELL: Object to the form. I think he stated he was an expert in the health effects. MR. ZELLERS: The doctor can answer the questions. MS. O'DELL: He did answer the question. THE WITNESS: That's what I was trying to say. It was the health effects, carcinogenic potential of asbestos in talcum powder and other industrial exposures. BY MR. ZELLERS: Q. Are you familiar with at least what the different types of claimed asbestos is in talcum	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: Again, I've told you what I knew about asbestos at that time, and I've learned more since then. BY MR. ZELLERS: Q. Can you answer my question? Did you consider yourself to be an expert in asbestos when you were first contacted by Dr. Thompson? A. Again, I'm stuck with what how you define asbestos how you define an expert. Q. You're an expert who an expert is someone who has a special expertise in a matter that peers would look to as a person and a resource. Do people look to you as a resource on asbestos? A. People looked to me for a long time with regard to as a resource with regard to asbestos and its effects on the female genital tract and ovarian cancer. Q. So that's a yes, people have come to you for

	Page 46		Page 48
1	misstates his testimony.	1	Q. Did you prepare these notes?
2	MR. ZELLERS: Well, I'm trying to get	2	A. Yes.
3	an answer to my question.	3	Q. First paper you list here is or have
4	MS. O'DELL: I think he answered your	4	brought with you included in this folder and
5	question.	5	highlighted is Gates, which was published
6	THE WITNESS: Patients have come to me	6	November 12th of 2009; is that right?
7	as an expert in this topic as it relates to their	7	A. Yes.
8	health.	8	Q. You also have brought a paper, HHS Public
9	BY MR. ZELLERS:	9	Access, "Douching, Talc Use," Epidemiology, 2016.
10	Q. How about your peers? Do your peers come to	10	First author is Gonzalez; is that right?
11	you as an expert in asbestos at any time?	11	A. Yes, sir.
12	A. I have different groups of peers. My	12	Q. Then you have another collection of materials
13	gynecologic oncology colleagues, I don't think I'm any	13	with some additional handwritten notes, also in what
14	more of an expert than they are.	14	we have marked as Exhibit 11, your "EPI" folder. And
15	On the other hand, a general obstetrician	15	at the top of your handwritten notes, which appear on
16	and gynecologist, an internist, a family medicine	16	two Post-its, it's "Penninkilampi."
17	physician, a pediatrician would consider me an expert.	17	That is a study that you have written down
18	Q. And that so my question very simply is do	18	along with some other notes, and you have brought that
19	your peers come to you as an expert in asbestos?	19	with you in your folder; is that right?
20	MS. O'DELL: Object to the form. Asked	20	A. Yes.
21	and answered.	21	Q. You have brought the Berge paper, dated
22	THE WITNESS: I have lots of different	22	May 18, 2018, European Journal of Cancer Prevention.
23	levels of peers, is what I was trying to describe.	23	You have that in your folder; correct?
24	BY MR. ZELLERS:	24	A. Yes.
25	Q. The second article that you brought and	25	Q. You have the Langseth paper that was accepted
	Page 47		Page 49
1	placed in your "Asbestos Ovarian Cancer" folder is an	1	for well, strike that that was published in
2	article by Reid. States at the top, published online	2	Journal of Epidemiol. Community Health, 2008; is that
3	first May 24, 2011, in Cancer Epidemiology,	3	right?
4	"Biomarkers & Prevention"; is that right?	4	A. Yes.
5	A. Yes.	5	Q. And then finally, you have in your folder the
6	Q. The third article is "Occupational Exposure	6	Taher T-A-H-E-R paper, which appears to be is
7	to Asbestos and Ovarian Cancer." This is a paper with	7	this a 2018 or 2019 paper, if you know?
8	the first author of Camargo. It appears that it was	8	A. I don't know.
9	published in Environmental Health Perspectives,	9	Q. Was the Taher paper something that was
10	September 2011; is that right?	10	provided to you by counsel for the plaintiffs?
11	A. Yes.	11	A. Yes.
12	Q. The last paper that you included in your	12	Q. Was the Health Canada assessment something
13	folder was an article on ovarian cancer and asbestos,	13	that was provided to you by counsel for plaintiffs?
14	first named author Graham. It was received is this	14	A. Yes.
15	1967?	15	Q. You've got a folder on animals with a couple
16	A. Yes, sir.	16	of very brief notes. We've marked your folder on
17	Q. You brought with you, which we will mark as	17	animals as Exhibit 12.
18	Exhibit 11, a folder captioned "EPI." Is that right?	18	(Exhibit No. 12 was marked for identification.)
19	A. Yes.	19	BY MR. ZELLERS:
20	(Exhibit No. 11 was marked for identification.)	20	Q. First paper we have is the Keskin article
21	BY MR. ZELLERS:	21	from Gynecologic Obstetrics, 2009. Keskin is spelled
22	Q. The first page, are these your notes to help	22	K-E-S-K-I-N. Is that right?
23	you in terms of answering my questions relating to the	23	A. Yes, the spelling's correct.
24	epidemiology of ovarian cancer and talcum powder?	24	Q. The next paper is the Hamilton paper. It looks like it was published in 1984. The other
25	A. Yes, sir.	25	looke like it was nijhlished in 100/1. The other

	Page 50		Page 52
1	authors are Fox, Buckley, Henderson, and Griffiths.	1	articles that I identified in my literature search.
2	It was received for publication in 1983.	2	BY MR. ZELLERS:
3	Is that right?	3	Q. Did you find any articles on the latency
4	A. Yes.	4	period of ovarian cancer in women?
5	Q. Are these studies that you found, these	5	A. The latency at the time of exposure to
6	animal studies, or are these studies that were	6	asbestos or talcum powder?
7	provided to you by counsel for the plaintiffs?	7	Q. Yes.
8	MS. O'DELL: Object to the form.	8	A. I think it's clear that there has to be a
9	THE WITNESS: I think it's some of	9	latency period, and it's probably very parallel, in my
10	both.	10	opinion, to the latency period for mesothelioma and
11	BY MR. ZELLERS:	11	many other cancers that requires decades of exposure
12	Q. Well, there's only two that are here. So did	12	before one develops ovarian cancer.
13	you find and review the Keskin paper?	13	Q. Can you be any more precise than "decades of
14	A. I found it and reviewed it, yes.	14	exposure"?
15 16	Q. Not provided to you by counsel; is that	15 16	MS. O'DELL: Object to the form. THE WITNESS: No more precise than
16 17	right? A. Can I see them both?	17	these papers that talk about the latency for
18	Q. Sure. Of course.	18	mesothelioma
19	(Document was handed to the witness.)	19	BY MR. ZELLERS:
20	THE WITNESS: I think I printed this	20	Q. You believe
21	online, off of PubMed.	21	A which run the gamut from 22 to 32 years in
22	BY MR. ZELLERS:	22	one paper and 20 to 40 years in another paper.
23	Q. And my question is a little different.	23	Q. You believe that the latency period for
24	Are these articles that you were made aware	24	ovarian cancer is the same as the latency period for
25	of by plaintiffs' counsel, or are these articles that	25	mesothelioma; is that right?
	,		, , ,
	Page 51		Page 53
1	you found in any research that you did after being	1	MS. O'DELL: Object to the form.
2	retained in this matter?	2	THE WITNESS: I believe it should be
3	A. I understand your question.	3	very close.
4	Yes, I researched and found these as I did	4	///
5	my PubMed search.	5	///
6	Q. All right. Latency, Exhibit 13.	6	(Exhibit No. 14 was marked for identification.)
7	(Exhibit No. 13 was marked for identification.)	7	BY MR. ZELLERS:
8	BY MR. ZELLERS:	8	Q. The last folder that you brought with you is
9	Q. You've got a couple of handwritten notes,	9	the is titled or captioned "Asbestos Fibers Talc
10	just a couple of articles in here. One is "The	10	Longo, etc."
11	latency period of mesothelioma among a cohort of	11	Is this also a folder that you prepared?
12	British asbestos workers (1978-2005)"; and also	12	A. Yes, sir.
13	"Latency Period for Malignant Mesothelioma" by	13	Q. You've got a number of handwritten notes and
14	Dr. Lanphear, which is dated well, we'll have to	14	calculations here; is that right?
15	just let the record it was uploaded in 2016 by the	15	MS. O'DELL: Object to the form.
16	author.	16	THE WITNESS: I'm not sure it's
17	Are these materials that you found in your	17	calculations. It's notes taken from the papers.
18 19	search and have put together, or are these articles	18 19	BY MR. ZELLERS:
20	that were provided to you by counsel?	20	Q. You cite and have brought with you a report, Longo, January 15th, 2019.
20 21	MS. O'DELL: Object to the form. THE WITNESS: May I see that again?	21	Is that the updated report that was referred
22	BY MR. ZELLERS: May I see that again?	22	to earlier?
23	Q. Sure.	23	A. That's my understanding.
24	(Document was handed to the witness.)	24	Q. You've got, looks like, an exhibit from the
25	THE WITNESS: I believe these are both	25	Hopkins deposition; is that right?
	in the second se	1	1 /

	Page 54		Page 56
1	A. Yes.	1	that this was submitted in November 2018.
2	Q. You have an article by Blount, "Amphibole	2	Q. Are there any updates to your curriculum
3	Asbestos in Vermont Talc"; is that correct?	3	vitae that you believe in any way are relevant to the
4	A. Yes.	4	opinions you're giving here today?
5	Q. That's got an Imerys Bates number on it.	5	A. I understand. No, there's no nothing
6	Is that where you obtained that document?	6	relevant to add.
7	MS. O'DELL: Object to the form.	7	Q. I did not tell you at the beginning, but if
8	THE WITNESS: I obtained it from	8	at any time you need to take a break and get up and
9	counsel.	9	stretch, just tell me and we'll do that.
10	BY MR. ZELLERS	10	A. Okay.
11	Q. And then you also have the Pier deposition	11	MR. ZELLERS: Same goes for you as
12	exhibit in your folder; is that right?	12	well, Counsel.
13	A. Yes.	13	MS. O'DELL: Thank you.
14	Q. Have we now identified all of the materials	14	BY MR. ZELLERS:
15	that you have reviewed and relied upon in formulating	15	Q. Did anyone assist you with your review and
16	your opinions in this matter?	16	research and preparation of your report in this matter
17	A. Above and beyond these folders, the other	17	other than counsel?
18	folders that we have here are included in my reliance.	18	A. No, sir.
19	Q. Your reliance list and your reference list;	19	Q. You were able to do the research that you
20	is that right?	20	felt you needed to do to answer the questions that
21	A. Yes.	21	were posed to you by counsel for the plaintiffs within
22	Q. Exhibit A, just so we are complete here, is	22	the 20 hours that are identified in your invoice,
23	your CV, or curriculum vitae, as of the time that your	23	Exhibit 2, between April 17th of 2017 and
24	report was published; is that right?	24	November 4th of 2018?
25	(Exhibit No. 15 was marked for identification.)	25	A. That's what I billed for. As I sort of
	Page 55		Page 57
1	BY MR. ZELLERS:		
2		1	indicated earlier, I'm not very diligent on marking
_	Q. And your report was published or provided and	1 2	indicated earlier, I'm not very diligent on marking down every minute or every hour that I spend. So
3			
	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one.	2	down every minute or every hour that I spend. So
3	Q. And your report was published or provided and signed in November of 2018?	2 3	down every minute or every hour that I spend. So that's what I billed for. It's close to what time
3 4	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one.	2 3 4	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent.
3 4 5	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your	2 3 4 5	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that
3 4 5 6	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that	2 3 4 5 6	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation
3 4 5 6 7	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right?	2 3 4 5 6 7	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that
3 4 5 6 7 8	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is	2 3 4 5 6 7 8	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right?
3 4 5 6 7 8 9	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the	2 3 4 5 6 7 8	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct.
3 4 5 6 7 8 9	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is	2 3 4 5 6 7 8 9	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a
3 4 5 6 7 8 9 10	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to	2 3 4 5 6 7 8 9 10	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report?
3 4 5 6 7 8 9 10 11 12	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as	2 3 4 5 6 7 8 9 10 11	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It
3 4 5 6 7 8 9 10 11 12 13	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5.	2 3 4 5 6 7 8 9 10 11 12	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd
3 4 5 6 7 8 9 10 11 12 13 14	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to
3 4 5 6 7 8 9 10 11 12 13 14 15	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your	2 3 4 5 6 7 8 9 10 11 12 13 14	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion.
3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so. Q. Was it accurate and complete as of November	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time. Q. Anyone else?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. And your report was published or provided and signed in November of 2018? And that's too many questions in one. You attached an exhibit, Exhibit A, to your report, which we have marked as Exhibit 5; is that right? MS. O'DELL: Is it Exhibit 15 is the MR. ZELLERS: So Exhibit 15 is Deposition Exhibit 15 is a copy of Exhibit A to Dr. Clarke-Pearson's report, which we marked as Exhibit 5. BY MR. ZELLERS: Q. Number one, is that correct? Is this your CV? A. This is my CV at the time my report was submitted. Q. Is there a date on this curriculum vitae? A. I don't believe so. Q. Was it accurate and complete as of November of 2018?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	down every minute or every hour that I spend. So that's what I billed for. It's close to what time I spent. Q. That's your best estimate of the time that you had spent on this matter through the preparation of your report, which we marked as Exhibit 5; is that right? A. That's correct. Q. When were you first asked to prepare a report? A. I'm not sure I can answer that question. It was obviously after I'd been retained and after I'd had the opportunity to review materials to be able to formulate an opinion. Q. Other than Ms. O'Dell and Dr. Thompson, what other attorneys for the plaintiffs in the MDL talcum powder litigation have you met with or communicated with? A. I met Ms. Brown yesterday for the first time. Q. Anyone else? A. No, sir.

	Page 58		Page 60
1	Dr. Thompson and Ms. O'Dell up and through the	1	powder proceeding, aside from the talcum powder MDL?
2	production of your report in November of 2018?	2	A. No.
3	MS. O'DELL: Objection. Form.	3	Q. What percent of your professional time do you
4	THE WITNESS: I believe so.	4	spend working as a consultant?
5	BY MR. ZELLERS:	5	A. With regard to medicolegal expert witness
6	Q. Since then, what other time have you spent	6	work?
7	with the attorneys for plaintiffs relating to this	7	Q. Yes.
8	matter?	8	A. What percent? I'd say probably 5 percent in
9	A. I've had one meeting, I believe in early	9	this past year, less than that in the preceding
10	January, for an hour and a half or two	10	several years.
11	Q. Was that an in-person meeting or	11	Q. What percent of your income is from
12	A. Yes, it was in person.	12	consulting on litigation matters?
13	Q. Was that here in Chapel Hill?	13	A. None of my income.
14	A. Yes.	14	Q. You receive no income as an expert witness
15	Q. Was that with Ms. O'Dell and Dr. Thompson?	15	consultant on litigation?
16	A. Yes.	16	A. No.
17	Q. Anyone else?	17	Q. Where does the money that you're billing for
18	A. No.	18	your services as an expert witness in this case go?
19	Q. Any other meetings that you've had with	19	A. The rules that we have at University of North
20	counsel preparing for your deposition?	20	Carolina is that any revenue, if you will, from expert
21	A. This past Saturday and Sunday.	21	witness work is considered clinical revenue and is
22	Q. Did you meet with the three plaintiffs'	22	sent to the practice plan.
23	counsel who are here today?	23	Q. Does your income, at least in part is it
24	A. Ms. O'Dell and Dr. Thompson on Saturday, and	24 25	determined by the income you bring into the
25	Ms. Brown joined us on Sunday.	25	university?
	Page 59		Page 61
1	Q. What amount of time did you spend, total, on	1	A. The compensation plan doesn't account for the
2	Saturday and Sunday with counsel preparing for the	2	
_			income we bring in.
3	deposition?	3	Q. Your testimony is that doesn't matter what
3 4	A. I'd estimate probably four to five hours on		Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert
	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday.	3 4 5	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may
4 5 6	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your	3 4 5 6	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is
4 5 6 7	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition?	3 4 5 6 7	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right?
4 5 6 7 8	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be	3 4 5 6 7 8	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form.
4 5 6 7 8 9	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders.	3 4 5 6 7 8 9	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of
4 5 6 7 8 9	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your	3 4 5 6 7 8 9	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North
4 5 6 7 8 9 10	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition?	3 4 5 6 7 8 9 10	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation
4 5 6 7 8 9 10 11	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might	3 4 5 6 7 8 9 10 11	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median
4 5 6 7 8 9 10 11 12 13	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do.	3 4 5 6 7 8 9 10 11 12	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty.
4 5 6 7 8 9 10 11 12 13	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for	3 4 5 6 7 8 9 10 11 12 13	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician,
4 5 6 7 8 9 10 11 12 13 14 15	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs?	3 4 5 6 7 8 9 10 11 12 13 14	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full
4 5 6 7 8 9 10 11 12 13 14 15	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't.	3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a
4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about	3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS:
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent,	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department,
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are reflected on Exhibit 2, plus an additional 60 hours up	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department, including yourself, can earn?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are reflected on Exhibit 2, plus an additional 60 hours up until today when we started your deposition?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what expert witness consulting you may do or what income you may generate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does a gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department, including yourself, can earn? A. Yes.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I'd estimate probably four to five hours on Saturday and about five to six hours on Sunday. Q. Anything else you did to prepare for your deposition? A. I reviewed a lot of materials here to be really fresh on it. That's why you see these folders. Q. Anything else you did to prepare for your deposition? A. I'm not sure I understand what else I might do. Q. Did you talk to anyone other than counsel for plaintiffs? A. I see. No, I didn't. Q. Did you speak to any of your colleagues about this? A. No, sir. Q. The total amount of time that you've spent, you would approximate to be the 20 hours that are reflected on Exhibit 2, plus an additional 60 hours up	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Your testimony is that doesn't matter what grants you may bring in, it doesn't matter what exper witness consulting you may do or what income you repensate, it has no effect on your compensation; is that right? MS. O'DELL: Object to the form. THE WITNESS: The Department of Obstetrics & Gynecology at the University of North Carolina, of which I'm the chair, the compensation plan, the base salary is based on the AAMC median income based on subspecialty. So a maternal-fetal medicine physician, based on their rank assistant, associate, and full professor has a different median income than does gynecologic oncologist, but it's pegged to national standards. BY MR. ZELLERS: Q. Is there any type of bonus or additional compensation that someone in your department, including yourself, can earn?

	Page 62		Page 64
1	A. Clinical relative value units that are	1	A. Yes.
2	generated by a faculty member that exceed the	2	Q. Is that included in the disclosure that was
3	60th percentile are then attributed to that faculty	3	given to us today, Exhibit 3?
4	member. The percent of the number of faculty members'	4	A. I considered it as deposition and trial
5	RVUs that are generated as a whole are then divided	5	testimony.
6	out amongst the pot of money, if you will, that's	6	Q. So there were two testimonies, both of which
7	available for incentive distribution. And that amount	7	you gave on December 12th of 2014; is that right?
8	of money depends upon the department's overall	8	A. No. That was probably when we submitted our
9	financial status.	9	invoice. I got this information from my billing
10	Q. Do grants that are brought into the	10	department.
11	university by members of your department have any	11	Q. So Edmonson really should be two testimonies;
12	impact or part in this incentive distribution	12	is that right?
13	calculation?	13	A. Yes. Deposition
14	A. Yes.	14	Q. And the deposition
15	Q. Do or strike that.	15	A. A deposition and trial testimony.
16	Does any income from litigation consulting	16	Q. And the date you've given here relates to
17	have a part in this incentive distribution?	17	your invoice, not to when you provided the testimony?
18	A. No.	18	A. I believe so.
19	Q. Are you you are in charge of the	19	Q. And the same answer with respect to
20	department; is that right?	20	Rappaport. The date on Exhibit 3 doesn't relate to
21	A. I'm the chair of the department.	21	when you provided the testimony; is that right?
22	Q. Do you have to balance the books in terms of	22	A. That's right. And I had a deposition and
23	money in and money out?	23	trial.
24	A. Yes, sir.	24	Q. And, lastly, with respect to the Pizzirusso
25	Q. Does income that you generate from litigation	25	matter, the date doesn't relate to when you provided
	Page 63		Page 65
1	consulting help you balance the books of the	1	the testimony; correct?
2	department?	2	A. That's correct.
3	A. Yes.	3	Q. And it was actually a deposition and trial
4	Q. The Deposition Exhibit 3, your list of	4	testimony in those matters; is that right?
5	testimony that you've given in the past five years, is	5	A. Yes.
6	that now accurate and complete?	6	Q. Have you ever been retained in a case
7	A. Yes, sir.	7	involving asbestos?
8	Q. Have all of the testimonies you've given that	8	A. No.
	12 . 1 . 12 12 12 2 2 2 2 2 2 2 2 2 2 2		
9	are listed on Exhibit 3, are those all deposition	9	Q. Have you ever been retained in a case
9 10	are listed on Exhibit 3, are those all deposition testimony? Or have you testified at trial?	9 10	involving cosmetic products?
	testimony? Or have you testified at trial? A. Let me take a look at them.	10 11	involving cosmetic products? A. No, sir.
10	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial.	10 11 12	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of
10 11	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I	10 11 12 13	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the
10 11 12	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just	10 11 12 13 14	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation?
10 11 12 13	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions.	10 11 12 13 14 15	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the
10 11 12 13 14	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just	10 11 12 13 14	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation?
10 11 12 13 14 15	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso?	10 11 12 13 14 15	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from
10 11 12 13 14 15 16 17	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate.	10 11 12 13 14 15 16 17	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo.
10 11 12 13 14 15 16 17	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be	10 11 12 13 14 15 16	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of
10 11 12 13 14 15 16 17	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate.	10 11 12 13 14 15 16 17	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo.
10 11 12 13 14 15 16 17 18 19 20 21	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies? A. I don't know exactly what you asked for.	10 11 12 13 14 15 16 17 18 19 20 21	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly if I may I ask counsel, since we've been working?
10 11 12 13 14 15 16 17 18 19	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies? A. I don't know exactly what you asked for. I this is either depositions or testimony that	10 11 12 13 14 15 16 17 18 19	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly if I may I ask counsel, since we've been working? BY MR. ZELLERS:
10 11 12 13 14 15 16 17 18 19 20 21 22 23	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies? A. I don't know exactly what you asked for. I this is either depositions or testimony that I made in court.	10 11 12 13 14 15 16 17 18 19 20 21 22 23	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly if I may I ask counsel, since we've been working? BY MR. ZELLERS: Q. Well, no, because I really want it to be your
10 11 12 13 14 15 16 17 18 19 20 21 22	testimony? Or have you testified at trial? A. Let me take a look at them. The Edmonson and Lee, I testified at trial. Rappaport, I testified at trial. Pizzirusso, I testified at trial. The latter two that I are just depositions. Q. Is it accurate you did not give deposition testimony in Edmonson, Rappaport, and Pizzirusso? A. No, that's not accurate. Q. Well, should those depositions also be included in this list of testimonies? A. I don't know exactly what you asked for. I this is either depositions or testimony that	10 11 12 13 14 15 16 17 18 19 20 21 22	involving cosmetic products? A. No, sir. Q. Did you review any of the expert reports of the other experts that have been retained by the plaintiffs in the MDL talcum powder litigation? MS. O'DELL: Other than Dr. Longo, which he's testified to. MR. ZELLERS: I'd like to hear it from the doctor, but, yes, other than Dr. Longo. THE WITNESS: I've read a lot of things. Not many reports, so I don't recall exactly if I may I ask counsel, since we've been working? BY MR. ZELLERS:

	Page 66		Page 68
1	speculate to answer my question, tell me you can't	1	A. Sometime after I formed my opinion. I'm not
2	answer it because it would call for a guess or	2	sure. I'm in communication with Dr. Rice quite often.
3	speculation.	3	She's a friend of mine.
4	A. Okay. I can't answer that.	4	Q. Was it before or after you prepared your
5	Q. You don't recall, as you sit here, other than	5	report
6	Dr. Longo's updated report, reviewing any other expert	6	A. It was after my report.
7	reports in this litigation; correct?	7	Q. So sometime after November
8	MS. O'DELL: Object to the form.	8	A. 16th.
9	THE WITNESS: I reviewed Dr. Longo's	9	Q 16th of 2018; is that right?
10	original report and now the updated report.	10	A. Yes.
11	BY MR. ZELLERS:	11	Q. Any other communication you've had with
12	Q. Other than those reports, at least as you sit	12	anyone other than counsel for plaintiffs regarding
13	here, you don't have a memory of reviewing other	13	your opinion that talc is a cause of ovarian cancer?
14	expert reports in this matter; is that right?	14	A. No.
15	A. I don't recall.	15	Q. Have you reviewed any deposition or trial
16	Q. Do you recall reviewing any defense expert	16	testimony from any of the talcum powder cases?
17	or strike that.	17	A. Yes. I'm blanking on her name. The GYN
18	Do you recall reviewing any other expert	18	oncologist, Judy one of the experts on the
19	reports in any talcum powder litigation other than the	19	plaintiffs' side that
20	MDL?	20	Q. Judy Wolf?
21	A. No.	21	A. Yeah, Judy Wolf.
22	Q. Have you communicated about the litigation	22	Q. Do you know Dr. Wolf?
23	the MDL talcum powder litigation with anyone other	23	A. I've met her once.
24	than plaintiffs' counsel?	24	Q. Have you had any discussions with her about
25	A. I'm required to communicate that to the	25	the subject matter of your opinions in this case with
	Page 67		Page 69
1	hospital counsel, and I have.	1	Dr. Wolf?
2	Q. Who is the hospital counsel?	2	A. I've had no communication with Dr. Wolf
3	A. Her name is Glenn G-L-E-N-N George.	3	whatsoever.
4	Q. Does she work for the university directly or	4	Q. You reviewed her deposition transcript in
-			Q. Tou reviewed her deposition transcript in
5	is she in private practice, if you know?	5	
	is she in private practice, if you know? A. She works for the University of North	5 6	preparation for today; correct? A. Yes.
5	A. She works for the University of North		preparation for today; correct? A. Yes.
5 6		6	preparation for today; correct?
5 6 7	A. She works for the University of North Carolina Hospital as the head counsel.	6 7	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial
5 6 7 8	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause	6 7 8	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any
5 6 7 8 9	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the	6 7 8 9	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed?
5 6 7 8 9	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about tale as a cause of ovarian cancer with anyone other than the plaintiffs' counsel?	6 7 8 9 10	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name
5 6 7 8 9 10 11	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case?	6 7 8 9 10 11	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a
5 6 7 8 9 10 11	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about tale as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your	6 7 8 9 10 11	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition.
5 6 7 8 9 10 11 12	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region	6 7 8 9 10 11 12 13	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you
5 6 7 8 9 10 11 12 13 14	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer.	6 7 8 9 10 11 12 13	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist?
5 6 7 8 9 10 11 12 13 14	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past	6 7 8 9 10 11 12 13 14	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the
5 6 7 8 9 10 11 12 13 14 15	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about tale as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that	6 7 8 9 10 11 12 13 14 15	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton.
5 6 7 8 9 10 11 12 13 14 15 16	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about tale as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a	6 7 8 9 10 11 12 13 14 15 16	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial
5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic.	6 7 8 9 10 11 12 13 14 15 16 17	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed?
5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about tale as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you	6 7 8 9 10 11 12 13 14 15 16 17 18	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir.
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about tale as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with?	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir. Q. Were the transcripts of Dr. Wolf and
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about tale as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with? A. Past president.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir. Q. Were the transcripts of Dr. Wolf and Pinkerton, the toxicologist, provided to you by
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. She works for the University of North Carolina Hospital as the head counsel. Q. Have you communicated about talc as a cause of ovarian cancer with anyone other than the plaintiffs' counsel? A. As it regards to this case? Q. Yes, as it regards to this case and your opinion that talcum powder used in the perineal region by women is a cause of ovarian cancer. A. I've communicated to the immediate past president of the Society of Gynecologic Oncology that I think that they should investigate and offer a committee opinion on the topic. Q. Who is the past president you said you communicated with? A. Past president. Q. Who is that?	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	preparation for today; correct? A. Yes. Q. Any other deposition transcripts or trial transcripts in the talcum powder litigation or any talcum powder case that you have reviewed? A. Reviewed I can't remember the name Pinkerton, maybe. It was a toxicologist that had a deposition. Q. Do you remember the name or do you did you know this toxicologist? A. I don't know the toxicologist. I think the name was Pinkerton. Q. Any other deposition transcripts or trial transcripts that you have reviewed? A. No, sir. Q. Were the transcripts of Dr. Wolf and Pinkerton, the toxicologist, provided to you by counsel for the plaintiffs?

	Page 70		Page 72
1	to you?	1	THE WITNESS: I'm sorry. You're asking
2	A. No. I think everything was provided to me	2	me about peer-reviewed publications?
3	that I requested.	3	BY MR. ZELLERS:
4	Q. In your report and in one of your file	4	Q. Yes, and whether or not you have ever relied
5	folders, you have exhibits from the deposition of John	5	upon isolated exhibits provided to you by counsel from
6	Hopkins. And let me rephrase that. You have an	6	depositions that you have never read as support for
7	exhibit from a witness by the name of John Hopkins.	7	any of your peer-reviewed publications.
8	Are you aware of that?	8	A. In a peer-reviewed publication, one on
9	A. Yes.	9	occasion will cite a personal communication from a
10	Q. Who is Mr. Hopkins?	10	colleague or an expert.
11	A. I've been it's my understanding and	11	Q. Can you answer my question?
12	I may be wrong that he is a former employee of	12	A. "In a peer-reviewed publication, one on
13	Johnson & Johnson.	13	occasion will cite a personal communication" okay.
14	Q. Do you know what he did for Johnson &	14	So your question was all right.
15	Johnson?	15	So in my peer-reviewed publications, I would
16	A. I believe somehow he was involved with	16	say the answer is no.
17	testing of talcum powder to evaluate for products such	17	Q. What is the difference between the references
18	as fibrous talc and asbestos.	18	which are at the end of your report that we marked as
19	Q. Do you know anything else that Mr. Tom	19	Exhibit 5 and the list of additional materials which
20	Mr. Hopkins did for Johnson & Johnson?	20	we marked as Deposition Exhibit 6 and you included as
21	A. No.	21	Exhibit B to your report?
22	Q. Did you review or read his deposition?	22	A. Those are additional materials that
23	A. I did not.	23	I reviewed in formulating my opinion, but I felt that
24	Q. Do you know who Julie Pier is?	24 25	they didn't need to be included in my report.
25	A. Vaguely.	∠5	Q. Were the references that you listed in your
	Page 71		Page 73
1	Q. Who is Julie Pier?	1	report, Exhibit 5, the key primary materials that
2	A. My understanding is that she has also done	2	you're relying on?
3	testing on Johnson & Johnson products.	3	MS. O'DELL: Object to the form.
4	Q. Do you know where she works or by whom she is	4	THE WITNESS: I think that's fair to
5	employed?	5	say, yes.
6	A. No.	6	BY MR. ZELLERS:
7	Q. Did you read her deposition transcript?	7	Q. If you go to Exhibit 6 could you find that
	A. No.	8	
8			in front of you. This, again, is Exhibit B to your
9	Q. Have you reviewed any other exhibits to the	9	report. Go to page 11.
9	deposition of John Hopkins?	9 10	report. Go to page 11. And you see, starting at the bottom of page
9 10 11	deposition of John Hopkins? A. No, sir.	9 10 11	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of
9 10 11 12	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the	9 10 11 12	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a
9 10 11 12 13	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier?	9 10 11 12 13	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them.
9 10 11 12 13 14	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No.	9 10 11 12 13 14	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that?
9 10 11 12 13 14	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to	9 10 11 12 13 14 15	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes.
9 10 11 12 13 14 15	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony?	9 10 11 12 13 14 15	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming
9 10 11 12 13 14 15 16	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form.	9 10 11 12 13 14 15 16	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions?
9 10 11 12 13 14 15 16 17 18	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if	9 10 11 12 13 14 15 16 17	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them.
9 10 11 12 13 14 15 16 17 18	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes.	9 10 11 12 13 14 15 16 17 18	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those
9 10 11 12 13 14 15 16 17 18 19 20	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS:	9 10 11 12 13 14 15 16 17 18 19 20	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are?
9 10 11 12 13 14 15 16 17 18 19 20 21	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed	9 10 11 12 13 14 15 16 17 18 19 20 21	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review
9 10 11 12 13 14 15 16 17 18 19 20 21 22	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed publications that are listed in Exhibit A, cited to	9 10 11 12 13 14 15 16 17 18 19 20 21 22	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review them.
9 10 11 12 13 14 15 16 17 18 19 20 21	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed publications that are listed in Exhibit A, cited to isolated exhibits from deposition testimony of	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review them. Q. Do you know how those documents were
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	deposition of John Hopkins? A. No, sir. Q. Have you reviewed any other exhibits to the deposition of Julie Pier? A. No. Q. Is it your practice outside of litigation to rely on isolated exhibits from deposition testimony? MS. O'DELL: Object to the form. THE WITNESS: I think sometimes if they're meaningful, yes. BY MR. ZELLERS: Q. Have you ever, in any of the peer-reviewed publications that are listed in Exhibit A, cited to	9 10 11 12 13 14 15 16 17 18 19 20 21 22	report. Go to page 11. And you see, starting at the bottom of page 11 carried over to page 12, there are a number of documents that begin with "Imerys" and then have a number following them. Do you see that? A. Yes. Q. Did you rely on those documents in forming your opinions? A. I reviewed them. Q. Can you identify for us here what those documents are? A. I would have to go to the books to review them.

5 your opinions? 5 A. I reviewed them, and they probably served as 8 part of my overall opinion; but I'm not referencing 9 them per se in my report. 5 Q. Can you identify or tell us what those 10 documents are? 6 A. These were internal documents from J&J. 1 dof recall specifically what each one of these numbers represent. 7 Q. Plaintiffs' counsel provided you with these selected company documents that you have identified in your additional materials list; is that right? 8 BY MR. ZELLERS: 9 Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional 9 materials-considered list? 1 materials-considered list? 2 A. No. 1 believe I've listed everything that we 3 saw. 4 Q. Based upon — well, strike that. 5 Did you review each of these documents of Imerys and J&J that are identified in your materials-considered list? 8 MS. O'DELL: Objection. Asked and answered. 9 materials-reviewed list? 1 BY MR. ZELLERS: 10 Q. Based upon that review, did you ask plaintiffs' counsel for you to review? 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 12 Q. Based upon that review, did you ask plaintiffs' counsel for you to review? 14 MS. O'DELL: Object to the form. 15 MS. O'DELL: Object to the form. 16 MS. O'DELL: Object to the form. 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 19 MS. O'DELL: Object to the form. 20 BY MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents; 24 power in their perineal region begin that use befor age 30? 24 with respect to your scientific publications and work, rely on small subsets of internal company documents; 24 power in their perineal region begin that use befor the age of 30? 2 D. O you agree that most women who use talpower in their perineal region begin that use before the age of 30? 3 D. O've to review? 4 Q. Based upon that review, did you ask plaintiffs' counsel for you to review?		Page 74		Page 76
3 Do you see that? 4 A. Yes. 5 Q. Did you rely on those documents in forming your opinions? 7 A. I reviewed them, and they probably served as a part of my overall opinion; but I'm not referencing them per se in my report. 10 Q. Can you identify or tell us what those documents are? 11 A. These were internal documents from J&J. 12 A. These were internal documents from J&J. 13 I Iden't recall specifically what each one of these numbers represent. 14 numbers represent. 15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 17 Q. Plaintiff's counsel provided you with these select company documents that you have identified in your additional materials list; is that right? 19 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional 24 expected by plaintiffs that your materials-considered list? 25 you did not include or list in your additional 26 answered. 27 MS. O'DELL: Object to the form. 28 BY MR. ZELLERS: 29 Q. Based upon well, strike that. 29 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 20 A. No. I believe I've listed everything that we saw. 21 G. Based upon well, strike that. 22 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 24 G. Based upon well, strike that. 25 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 26 D. Based upon that review, did you ask 27 plaintiff's counsel if there were any additional documents that might put in context the documents of documents that might put in context the documents of comments that might put in context the documents of comments that might put in context the documents of comments that might put in context the documents of comments that might put in context the documents of comments that might put in context	1	Q. Turning to page 13, there's a series of	1	first time I've been shown internal documents in a
4 Q. Do you have any knowledge as to what 5 Q. Did you rely on those documents in forming 6 your opinions? 7 A. I reviewed them, and they probably served as 7 part of my overall opinion; but I'm not referencing 9 them per se in my report. 10 Q. Can you identify or tell us what those 11 documents are? 12 A. These were internal documents from J&J. 13 I don't recall specifically what cach one of these 14 numbers represent. 15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 17 Q. Plaintiffs' counsel provided you with these 18 select company documents that you have identified in 19 your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of 24 cither Imerys or J& by counsel for plaintiffs that 25 you did not include or list in your additional 26 materials-considered list? 27 A. No. 1 believe Pve listed everything that we 28 saw. 29 Q. Based upon well, strike that. 20 Did you review each of these documents of 29 Imerys and J&J that are identified in your 29 materials-reviewed list? 30 Q. Based upon that review, did you as 31 plaintiffs' counsel if there were any additional 32 documents that were selected by plaintiffs' counsel for you to review? 33 Plaintiffs' counsel if there were any additional 34 documents or documents that might put in context the 35 documents of documents that might put in context the 36 documents that were selected by plaintiffs' counsel for you to review? 39 MS. O'DELL: Object to the form. 30 Plaintiffs' counsel if there were any additional 31 documents that were selected by plaintiffs' counsel for you to review? 32 Q. Do gou agree that most women who use tall and powder in their perineal region be did to discuss it more, but. 30 Page 75 31 Page 75 32 Page 75 33 Page 75 4 Page 75 4 Page 75 4 Page 75 5 Page 75 5 Page 75 6 Na Counter that were selected by plaintiffs' counsel for you to review? 4 Q. Based upon ware review did you as 4 Q. Based upon ware reviewed i	2		2	litigation.
5 Q. Did you rely on those documents in forming your opinions? 7 A. I reviewed them, and they probably served as 8 part of my overall opinion; but 1m not referencing 1m them per se in my report. 10 Q. Can you identify or tell us what those documents are? 11 A. These were internal documents from J&J. 1 12 A. These were internal documents from J&J. 1 13 I don't recall specifically what each one of these 1m them per represent. 14 I marbers represent. 15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 19 your additional materials list; is that right? 17 Q. Plaintiffs' counsel provided you with these select company documents that you have identified in your additional materials list; is that right? 19 A. Yes. 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 19 Q. Based upon – well, strike that. 5 Did you review each of these documents of 1 Impsy and J&J that are identified in your materials-reviewed list? 22 A. No. I believe I've listed everything that we 3 answered. 23 answered. 24 Q. Based upon that review, did you as 4 plaintiffs' counsel if there were any additional documents of documents of the moments that minght put in context the documents of every and J&J that are identified in your materials-reviewed list? 25 Q. Based upon that review, did you as 19 plaintiffs' counsel if there were any additional documents of Counsel i	3	Do you see that?	3	BY MR. ZELLERS:
be your opinions? A. Ireviewed them, and they probably served as a part of my overall opinion; but I'm not referencing them per se in my report. Q. Can you identify or tell us what those documents are? A. These were internal documents from J&J. Idoft recall specifically what each one of these numbers represent. Q. Day ou know how they were compiled? A. They were provided to me by counsel. Q. Plaintiffs' counsel provided you with these selected by plaintiffs' counsel for pound additional materials list; is that right? A. Yes. MS. ODELL: Object to the form. BY MR. ZELLERS: Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional Page 75 materials-considered list? A. No. I believe I've listed everything that we asswered. MS. ODELL: Objection. Asked and answered. THE WITNESS: Yes. Page 75 MS. ODELL: Object to the form. THE WITNESS: Yes. Page 75 MS. ODELL: Object to the form. THE WITNESS: No. I didn't ask for that. MS. ODELL: Object to the form. THE WITNESS: No. I didn't ask for that. MS. ODELL: Object to the form. THE WITNESS: No. I didn't ask for that. MS. ODELL: Object to the form. THE WITNESS: No. I didn't ask for that. MS. ODELL: Object to the form. MS. ODELL: Object to the form. THE WITNESS: No. I didn't ask for that. MS. ODELL: Object to the form. MS. ODELL: Object to the form. THE WITNESS: No. I didn't ask for that. MS. ODELL: Object to the form. MS. ODELL: Object to the form. THE WITNESS: No. I didn't ask for that. MS. ODELL: Object to the form. M	4	A. Yes.	4	Q. Do you have any knowledge as to what
A. I reviewed them, and they probably served as part of my overall opinion; but I'm not referencing them per se in my report. Q. Can you identify or tell us what those documents are? A. These were internal documents from J&J. A. These were internal documents from J&J. I don't recall specifically what each one of these numbers represent. Q. Do you know how they were compiled? A. They were provided to me by counsel. Page 75 MS. O'DELL: Object to the form. Page 75 materials-considered list? A. No. I believe I've listed everything that we saw. Q. Based upon well, strike that. Did you review each of these documents of lamerys and &J that are identified in your materials-reviewed list? MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Object to the form. THE WITNESS: I ob not. BY MR. ZELLERS: A. No. I believe I've listed everything that we saw. MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Object to the form. THE WITNESS: Yes. MS. O'DELL: Object to the form. THE WITNESS: No. I didn't ask for that. Did you review each of these documents of large and answered. MS. O'DELL: Object to meter the documents of the with the present of the with the present of the with the present of the present o	5	Q. Did you rely on those documents in forming	5	percentage of the internal documents that have been
### part of my overall opinion; but I'm not referencing them per se in my report. Q. Can you identify or tell us what those documents are?	6		6	
them per se in my report. Q. Can you identify or tell us what those documents are? A. These were internal documents from J&J. 12 I don't recall specifically what each one of these numbers represent. D. Do you know how they were compiled? A. They were provided to me by counsel. 16 your additional materials list; is that right? 19 your additional materials list; is that right? 19 your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional 25 was aw. 25 you go you gaseled your your additional 25 was aw. 26 A. No. 1 believe Ive listed everything that we saw. 27 A. No. 1 believe Ive listed everything that we saw. 28 A. No. 1 believe Ive listed everything that we saw. 29 A. Sead upon well, strike that. 29 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 29 A. So O'DELL: Objection. Asked and answered. 29 BY MR. ZELLERS: 20 Q. Based upon that review, did you ask 21 plaintiffs' counsel if there were any additional documents or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the documents or documents that were selected by plaintiffs' counsel for you to review? 21 Payron or very well of the form. 21 Payron or you with these saw. 22 Payron or you work in litigation, do you, with respect to you recientific publications and work, rely on small subsets of internal company documents that use before the only company documents that use before the son's Johnson are the ones that when selected by plaintiffs' counsel for plaintiffs' counsel form. 21 Payron or your even well and th	7		7	• • • •
10 Q. Can you identify or tell us what those documents are? 11 12 A. These were internal documents from J&J. 12 1 don't recall specifically what each one of these numbers represent. 13 1 don't recall specifically what each one of these numbers represent. 14 15 Q. Do you know how they were compiled? 15 16 A. They were provided to me by counsel. 16 A. They were provided to me by counsel. 16 A. They were provided to me by counsel. 17 Q. Plaintiffs' counsel provided you with these select company documents that you have identified in your additional materials list; is that right? 18 Select company documents that you have identified in your additional materials list; is that right? 18 MR. ZELLERS: Q. In it in to say, Dr. Clarke-Pearson, that the only company documents that you reviewed - e Imerys or Johnson & Johnson - are the ones that when only company documents that you reviewed - e Imerys or Johnson & Johnson - are the ones that when dand-selected by plaintiffs' lawyers and provided to you? A. Yes, that's fair to say. A. Yes, that's fair to say. Q. Do you agree, based upon your experience at the studies that you've reviewed, that most women used taleum powder in their perineal region begin the use before age 30? MS. O'DELL: Object to the form. THE WITNESS: I believe that's reasonable. I'm not aware of any data that specifically says that. Page 75 Pag	8		8	
11 documents are? 12 A. These were internal documents from J&J. 13 1 dort recall specifically what each one of these numbers represent. 14 15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 16 Q. Plaintiffs' counsel provided you with these select company documents that you reviewed—e lmerys or Johnson & Johnson—are the ones that w. hand-selected by plaintiffs' lawyers and provided to you? 20 Plaintiffs' counsel provided you with these select company documents that you reviewed—e lmerys or Johnson & Johnson—are the ones that w. hand-selected by plaintiffs' lawyers and provided to you? 21 A. Yes. 22 A. Yes. 23 A. Yes. 24 A. Yes. 25 W. S. O'DELL: Object to the form. 21 Use before age 30? MS. O'DELL: Object to the form. 22 THE WITNESS: 1 believe that's resonable. 23 THE WITNESS: 1 believe that's resonable. 24 The Wither Market and plaintiffs' counsel fisher were any additional documents that review, did you ask plaintiffs' counsel for you to review? 16 MS. O'DELL: Object to the form. 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 18 W. A. S. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 19 W. A. S. O'DELL: Object to the form. 17 MS. O'DELL: Object to the form. 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Object to the form. 19 W. A. S. O'DELL: Obj	9	· · · · ·	9	
12 A. These were internal documents from J&J. 13 I don't recall specifically what each one of these numbers represent. 14 unbers represent. 15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 17 Q. Plaintiffs' counsel provided dyou with these select company documents that you have identified in your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional materials seed upon well, strike that. 25 Did you review each of these documents of Imerys and J&I that are identified in your materials-reviewed list? 26 MS. O'DELL: Objection. Asked and answered. 27 MS. O'DELL: Objection. Asked and answered. 28 MS. O'DELL: Objection. Asked and answered. 29 MS. O'DELL: Objection. Asked and answered. 30 MS. O'DELL: Object to the form. 40 MS. O'DELL: Object to the form. 41 MS. O'DELL: Object to the form. 42 MS. O'DELL: Object to the form. 43 Page 75 44 MS. O'DELL: Object to the form. 45 MS. O'DELL: Object to the form. 46 MS. O'DELL: Object to the form. 47 MS. O'DELL: Object to the form. 48 MS. O'DELL: Object to the form. 49 MS. O'DELL: Object to the form. 50 MS. O'DELL: Object to the form. 51 MS. O'DELL: Object to the form. 52 MS. O'DELL: Object to the form. 53 MS. O'DELL: Object to the form. 54 MS. O'DELL: Object to the form. 55 MS. O'DELL: Object to the form. 66 MS. O'DELL: Object to the form. 77 MS. O'DELL: Object to the form. 88 MS. O'DELL: Object to the form. 99 MS. O'DELL: Object to the form. 90 MS. O'DELL: Object to the form. 90 MS. O'DELL: Object to the form. 91 MS. O'DELL: Object to the form. 91 MS. O'DELL: Object to the form. 92 MS. O'DELL: Object to the form. 93 MS. O'DELL: Object to the form. 94 MS. O'DELL: Object to the form. 95 MS. O'DELL: Object to the form. 96 MS. O'DELL: Object to the form. 97 MS. O'DELL: Object to the form. 98 MS. O'DELL: Object to the form. 99 MS. O'DELL: Object to	10			
13 I don't recall specifically what each one of these numbers represent. 14 numbers represent. 15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 17 Q. Plaintiffs' counsel provided you with these select company documents that you have identified in your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional 25 was w. 25 you did not include or list in your additional 25 was w. 26 Based upon well, strike that. 27 Did you review each of these documents of 28 Imerys and J&J that are identified in your materials-reviewed list? 28 MS. O'DELL: Objection. Asked and answered. 29 answered. 20 By MR. ZELLERS: 21 Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional 25 documents that were selected by plaintiffs' counsel for you to review? 29 THE WITNESS: Yes. 20 Q. Well, my question is and you can decide you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So Q. Utslide of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 21 MS. O'D'ELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Based upon that review, did you ask plaintiffs' counsel for you to review? 34 MS. O'D'ELL: Object to the form. 35 THE WITNESS: No, I didn't ask for that. 36 Great and the paper actually goes through and lists out the age for the folks that were selected by plaintiffs' counsel for you to review? 36 A. T can pull the paper if we're going to need to discuss it more, but 37 Q. Well, the Cramer 2016 paper actually goes through and lists out the age for the folks that we included in that study first used genital powder. I that generally familiar to you are discuss it more, but 48 Q. Well, the Cramer 2016 paper actually goes through and lists out the a				
14 numbers represent. 15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 17 Q. Plaintiffs' counsel provided you with these select company documents that you have identified in your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&D by ounsel for plaintiffs that you did not include or list in your additional either Imerys or J&D by ounsel for plaintiffs that you did not include or list in your additional saw. 25 was. 26 A. No. I believe I've listed everything that we saw. 27 A. No. I believe level isted everything that we saw. 28 A. No. I believe level isted everything that we saw. 39 Assaw. 40 Q. Based upon well, strike that. 51 Did you review each of these documents of Imerys and J&D that are identified in your materials-reviewed list? 39 Assaw. 40 Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional shawered. 40 THE WITNESS: Yes. 41 BY MR. ZELLERS: 42 Q. Well, the Cramer 2016 paper actually goes through and lists out the age for the folks that were included in that study first used genital powder. I that generally familiar to you? 42 A. Yes, that's fair to say. 43 C. Do you ages based upon your experience at the studies that you've reviewed, that most women valed talcum powder in their perineal region begin that were selected by plaintiffs' that you used talcum powder in their perineal region begin that use before the age of 30? 4 Did you review each of these documents of limerys and J&J that are identified in your materials-reviewed list? 5 Did you review each of these documents of limerys and J&J that are identified in your materials-reviewed list? 6 Imerys and J&J that are identified in your facility and the state of the follow of the province of the folks that were selected by plaintiffs' that we provided to the selection powder in their perineal region be into the screen. 4 Q. Well, my question is and you ca				
15 Q. Do you know how they were compiled? 16 A. They were provided to me by counsel. 17 Q. Plaintiffs' counsel provided you with these select company documents that you have identified in your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional did not include or list in your additional saw. 24 Q. Based upon well, strike that. 25 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 26 MS. O'DELL: Object to the form. 27 materials-reviewed list? 28 MS. O'DELL: Object to the form. 29 materials-reviewed list? 20 A. No. I believe I've listed everything that we saw. 30 A. No. O'DELL: Objection. Asked and answered. 40 MS. O'DELL: Objection. Asked and answered. 51 MS. O'DELL: Objection. Asked and answered. 52 MS. O'DELL: Objection. Asked and answered. 53 MS. O'DELL: Objection. Asked and answered. 54 MS. O'DELL: Object to the form. 55 MS. O'DELL: Object to the form. 66 Imerys and J&J that are identified in your materials-reviewed list? 67 MS. O'DELL: Object to the form. 68 MS. O'DELL: Object to the form. 69 MS. O'DELL: Object to the form. 60 MS. O'DELL: Object to the form. 61 MS. O'DELL: Object to the form. 61 MS. O'DELL: Object to the form. 62 MS. O'DELL: Object to the form. 63 MS. O'DELL: Object to the form. 64 MS. O'DELL: Object to the form. 65 MS. O'DELL: Object to the form. 66 MS. O'DELL: Object to the form. 77 MS. O'DELL: Object to the form. 78 MS. O'DELL: Object to the form. 89 MS. ELLERS: 90 Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 91 MS. O'DELL: Object to the form. 92 MS. O'DELL: Object to the form. 93 MS. O'DELL: Object to the form. 94 MS. O'DELL: Object to the form. 95 MS. O'DELL: Object to the form. 96 MS. O'DELL: Object to the form. 97 MS. O'D				
16 A. They were provided to me by counsel. 17 Q. Plaintiffs' counsel provided you with these 18 select company documents that you have identified in 19 your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of 24 either Imerys or J&J by counsel for plaintiffs that 25 you did not include or list in your additional 26 asaw. 27 Page 75 28 MS. O'DELL: Object to the form. 29 Page 75 20 MS. O'DELL: Object to the form. 20 MS. O'DELL: Object to the form. 21 materials-considered list? 22 A. No. I believe I've listed everything that we saw. 23 saw. 24 Q. Based upon well, strike that. 25 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 26 MS. O'DELL: Objection. Asked and answered. 27 materials-reviewed list? 28 MS. O'DELL: Objection. Asked and answered. 39 plaintiffs' counsel if there were any additional documents or documents that were selected by plaintiffs' counsel for fryou to review? 29 Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents that were selected by plaintiffs' counsel for you to review? 30 MS. O'DELL: Object to the form. 31 MS. O'DELL: Object to the form. 32 MS. O'DELL: Object to the form. 33 MS. O'DELL: Object to the form. 34 MS. O'DELL: Object to the form. 35 MS. O'DELL: Object to the form. 36 MS. O'DELL: Object to the form. 37 MS. O'DELL: Object to the form. 38 MS. O'DELL: Object to the form. 39 MS. ZELLERS: 40 MS. O'DELL: Object to the form. 41 MS. O'DELL: Object to the form. 41 MS. O'DELL: Object to the form. 42 MS. O'DELL: Object to the form. 43 MS. O'DELL: Object to the form. 44 MS. O'DELL: Object to the form. 45 MS. O'DELL: Object to the form. 46 MS. O'DELL: Object to the form. 47 MS. O'DELL: Object to the form. 48 MS. O'DELL: Object to the form. 49 MS. O'DELL: Object to the form. 40 MS. O'DELL: Object to the form. 41 MS. O'DELL: Object to the form. 42 MS. O'DELL: Object to the form. 43 MS. O		=		
2. Page 75 1. materials-considered list? 2. A. No. I believe I've listed everything that we saw. 2. Dead of the saw. 3. Saw. 4. Q. Based upon well, strike that. 5. Did you review each of these documents of limrys and J&J that are identified in your materials-reviewed list? 4. MS. O'DELL: Object to the form. 5. MS. O'DELL: Object to the form. 6. Imrys and J&J that are identified in your materials-reviewed list? 6. MS. O'DELL: Objection. Asked and answered. 6. MS. O'DELL: Objection. Asked and answered. 6. By MR. ZELLERS: 7. Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents that were selected by plaintiffs' counsel for pour to review? 6. MS. O'DELL: Object to the form. 6. THE WITNESS: Yes. 6. Dased upon that review, did you ask plaintiffs' counsel if there were any additional documents that were selected by plaintiffs' counsel for them. 6. THE WITNESS: No, I didn't ask for that. 6. Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 6. MS. O'DELL: Object to the form. 7. MS. O'DELL: Object to the form. 8. WMR. ZELLERS: 9. Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 8. MS. O'DELL: Object to the form. 9. WMR. ZELLERS: 9. Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 9. MS. O'DELL: Object to the form. 9. WMR. ZELLERS: 9. Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 9. WMR. ZELLERS: 9. Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 9. WMR. ZELLERS: 9. Q. Outside of your work in litigation, do you, with respect to your scientific publicat	_	•		
select company documents that you have identified in your additional materials list; is that right? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: A. No. I believe l've listed everything that we saw. A. No. I believe l've listed everything that we saw. A. No. I believe l've listed everything that we saw. A. No. I believe l've listed everything that we saw. MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Object to the form. MS. O'DELL: Object to the form.		• •		•
19 your additional materials list; is that right? 20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional 25 you did not include or list in your additional 26 A. No. I believe I've listed everything that we saw. 27 A. No. I believe I've listed everything that we saw. 28 A. No. I believe I've listed everything that we saw. 30 Based upon well, strike that. 41 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 42 MS. O'DELL: Object to the form. 43 MS. O'DELL: Objection. Asked and answered. 44 Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? 4 Q. Dassed upon work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 4 MS. O'DELL: Object to the form. 4 MS. O'DELL: Object to the form. 5 MS. O'DELL: Object to the form. 6 MS. O'DELL: Object to the form. 7 MS. O'DELL: Object to the form. 8 MS. O'DELL: Object to the form. 9 MS. O'DELL: Object to the form. 10 MS. O'DELL: Object to the form. 11 MS. O'DELL: Object to the form. 12 MS. O'DELL: Object to the form. 13 MS. O'DELL: Object to the form. 14 MS. O'DELL: Object to the form. 15 MS. O'DELL: Object to the form. 16 MS. O'DELL: Object to the form. 17 MS. O'DELL: Object to the form. 18 MS. O'DELL: Object to the form. 19 MS. O'DELL: Object to the form. 20 Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 21 MS. O'DELL: Object to the form.		• •		
20 A. Yes. 21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of 24 either Imerys or J&J by counsel for plaintiffs that 25 you did not include or list in your additional Page 75 1 materials-considered list? 2 A. No. I believe I've listed everything that we 3 saw. 4 Q. Based upon well, strike that. 5 Did you review each of these documents of 6 Imerys and J&J that are identified in your 7 materials-reviewed list? 8 MS. O'DELL: Objection. Asked and 9 answered. 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 10 Q. Based upon that review, did you ask 11 plaintiffs' counsel if there were any additional 12 documents that were selected by plaintiffs' counsel 13 for you to review? 14 documents that might put in context the 15 documents that mere selected by plaintiffs' counsel 16 for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for 19 that. 20 BY MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, 22 with respect to your scientific publications and work, 23 rely on small subsets of internal company documents? 24 WS. O'DELL: Object to the form. 25 Use dalcum powder in their perineal region begin that use before age 30? 26 MS. O'DELL: Object to the form. 27 MS. O'DELL: Object to the form. 28 MS. O'DELL: Object to the form. 29 Outside of your work in litigation, do you, 20 with respect to your scientific publications and work, 21 rely on small subsets of internal company documents? 22 MS. O'DELL: Object to the form. 23 discussion in their perineal region begin that use before age 30? 24 used talcum powder in their perineal region begin that use before age 30? 25 MS. O'DELL: Object to the form. 26 Developed in their perineal region begin that use before age 30? 26 MS. O'DELL: Object to the form. 27 MS. O'DELL: Object to the form. 28 Outside of your work in litigation, do you, 29 with respect to your scientific publications and work, 21 rely on small subsets of internal company documents? 22 Do you agree that most women who use tall p				
21 MS. O'DELL: Object to the form. 22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of either Imerys or J&b by counsel for plaintiffs that you did not include or list in your additional 24 either Imerys or J&b by counsel for plaintiffs that you did not include or list in your additional 25 Page 75 1 materials-considered list? 2 A. No. I believe I've listed everything that we saw. 4 Q. Based upon well, strike that. 5 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 8 MS. O'DELL: Objection. Asked and answered. 9 materials-reviewed list? 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 12 Q. Well, my question is and you can decide you need to pull the paper if we're going to need to discuss it more, but Q. Well, my question is and you can decide you need to pull the paper if we're going to need to discuss it more, but Q. Well, my question is and you can decide you need to pull the paper. But do you agree that based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? 15 MS. O'DELL: Object to the form. 16 for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 29 BY MR. ZELLERS: 20 Q. Well, my question is and you can decide you need to pull the paper. But do you agree that based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? 16 If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So - 20 Q. Utside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 24 With respect to your scientific publications and work, rely on small subsets of internal company documents? 25 MS. O'DELL: Object to the form. 26 Dy you agree that most		·		
22 BY MR. ZELLERS: 23 Q. Were you provided with any documents of 24 either Imerys or J&J by counsel for plaintiffs that 25 you did not include or list in your additional 26 Page 75 27 Page 75 28 A. No. I believe I've listed everything that we saw. 29 A. No. I believe I've listed everything that we saw. 20 Based upon well, strike that. 21 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 29 MS. O'DELL: Objection. Asked and answered. 30 answered. 31 BY MR. ZELLERS: 40 Well, the Cramer 2016 paper actually goes through and lists out the age for the folks that were included in that study first used genital powder. I that generally familiar to you? 41 A. I can pull the paper if we're going to need to discuss it more, but 42 Q. Well, my question is and you can decide you need to pull the paper. But do you agree that based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? 41 Gouments or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the documents or documents that might put in context the for you to review? 42 MS. O'DELL: Object to the form. 43 THE WITNESS: No,1 didn't ask for that. 44 Q. Based upon well, strike that. 45 Did you review early additional documents or documents that might put in context the documents or documents that might put in context the form you to review? 45 A. So Q. I think it's a simple question A. Probably so. 46 So can you restate the question? I've lost it on the screen. 47 Q. Sure. 48 Do you agree that most women who use tall powder in their perineal region begin that use before the general region b				
Q. Were you provided with any documents of either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional Page 75 materials-considered list? A. No. I believe I've listed everything that we saw. Q. Based upon well, strike that. Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Well, the Cramer 2016 paper actually goes through and lists out the age for the folks that were included in that study first used genital powder. I that generally familiar to you? A. I can pull the paper if we're going to need to discuss it more, but Q. Well, my question is and you can decide you need to pull the paper. But do you agree that, of you need to pull the paper. But do you agree that, of you need to pull the paper. But do you agree that, of you need to pull the paper. But do you agree that, of you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. MS. O'DELL: Object to the form. So Can you restate the question? I've lost it on the screen. Q. Sure. MS. O'DELL: Object to the form.				
either Imerys or J&J by counsel for plaintiffs that you did not include or list in your additional Page 75 materials-considered list? A. No. I believe I've listed everything that we saw. Q. Based upon well, strike that. Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Yes. Page 75 BY MR. ZELLERS: Q. Well, the Cramer 2016 paper actually goes through and lists out the age for the folks that were included in that study first used genital powder. I that generally familiar to you? A. I can pull the paper if we're going to need to discuss it more, butt Q. Well, my question is and you can decide you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that. Did you review each of these documents of literature and lists out the age for the folks that were included in that study first used genital powder. I that generally familiar to you? A. I can pull the paper if we're going to need to discuss it more, butt Q. Well, my question is and you can decide you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tal powder in their perineal region begin that use before the age of 30? Q. Sure. Do you agree that most women who use tal powder in their perineal region begin that use before the age of 30?				
Page 75 Page 75 materials-considered list? A. No. I believe I've listed everything that we saw. Q. Based upon well, strike that. Did you review each of these documents of materials-reviewed list? MS. O'DELL: Objection. Asked and answered. Q. Based upon that review, did you ask plaintiffs' counsel if for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. Did you review each of these documents of that generally familiar to you? A. I can pull the paper if we're going to need to discuss it more, but Q. Well, my question is and you can decide you need to pull the paper. But do you agree that the wast majority of won who use talcum powder in their perineal region be that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form.				
Page 75 materials-considered list? A. No. I believe I've listed everything that we saw. Q. Based upon well, strike that. Did you review each of these documents of materials-reviewed list? MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Well, the Cramer 2016 paper actually goes through and lists out the age for the folks that wer included in that study first used genital powder. I that generally familiar to you? A. I can pull the paper if we're going to need to discuss it more, but Q. Well, my question is and you can decide you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. Page 3 BY MR. ZELLERS: It ap a by MR. ZELLERS: It				· · · · · · · · · · · · · · · · · · ·
1 materials-considered list? 2 A. No. I believe I've listed everything that we saw. 3 saw. 4 Q. Based upon well, strike that. 5 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 6 Imerys and J&J that are identified in your materials-reviewed list? 7 MS. O'DELL: Objection. Asked and answered. 9 you need to pull the paper if we're going to need to discuss it more, but 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 12 Q. Well, my question is and you can decide you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? 14 documents of documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? 16 A. So 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 19 THE WITNESS: No, I didn't ask for that. 20 BY MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 24 With respect to Doject to the form. 25 Did you agree that most women who use tall powder in their perineal region begin that use before that use before the age of 30? 26 I think it's a simple question 27 A. Probably so. 28 So can you restate the question? I've lost it on the screen. 29 Q. Sure. 20 Do you agree that most women who use tall powder in their perineal region begin that use before in their perineal region begin t	25	you did not include or list in your additional	25	specifically says that.
2 A. No. I believe I've listed everything that we saw. 4 Q. Based upon well, strike that. 5 Did you review each of these documents of Imerys and J&J that are identified in your materials-reviewed list? 8 MS. O'DELL: Objection. Asked and answered. 9 Py MR. ZELLERS: 10 By MR. ZELLERS: 11 documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 20 By MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 2 Q. Well, the Cramer 2016 paper actually goes through and lists out the age for the folks that wer included in that study first used genital powder. I that generally familiar to you? 4 A. I can pull the paper if we're going to need to discuss it more, but 7 Q. Well, my question is and you can decide you need to pull the paper. But do you agree that. 9 put need to pull the paper. But do you agree that. 10 based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? 14 documents that were selected by plaintiffs' counsel for you to review? 16 A. So 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 19 So can you restate the question? I've lost it on the screen. 19 Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 24 MS. O'DELL: Object to the form.		Page 75		Page 77
3 saw. 4 Q. Based upon well, strike that. 5 Did you review each of these documents of 6 Imerys and J&J that are identified in your 7 materials-reviewed list? 8 MS. O'DELL: Objection. Asked and 9 answered. 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 12 Q. Based upon that review, did you ask 13 plaintiffs' counsel if there were any additional 14 documents or documents that might put in context the 15 documents that were selected by plaintiffs' counsel 16 for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for 19 that. 20 BY MR. ZELLERS: 20 Q. Outside of your work in litigation, do you, 21 with respect to your scientific publications and work, 23 rely on small subsets of internal company documents? 24 MS. O'DELL: Object to the form. 25 Litrough and lists out the age for the folks that were included in that study first used genital powder. I that generally familiar to you? 4 A. I can pull the paper if we're going to need to discuss it more, but 5 Q. Well, my question is and you can decide you need to pull the paper. But do you agree that based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? 14 documents or documents that might put in context the documents that were selected by plaintiffs' counsel 15 documents that were selected by plaintiffs' counsel 16 for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for 19 that. 20 BY MR. ZELLERS: 20 I think it's a simple question 21 Q. Outside of your work in litigation, do you, 22 with respect to your scientific publications and work, 23 rely on small subsets of internal company documents? 24 Do you agree that most women who use talcum powder in their perineal region begin that use before the age of 30? 25 paper, go to page 336. This is Cramer 2016, Table A. So 26 Q. Outside of your work in litigation, do you, 27 poyder in their perineal region begin that use before the ag	1	materials-considered list?	1	BY MR. ZELLERS:
4 Q. Based upon well, strike that. 5 Did you review each of these documents of 6 Imerys and J&J that are identified in your 7 materials-reviewed list? 8 MS. O'DELL: Objection. Asked and 9 answered. 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 12 Q. Based upon that review, did you ask 13 plaintiffs' counsel if there were any additional 14 documents or documents that might put in context the 15 documents that were selected by plaintiffs' counsel 16 for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for 19 that. 20 BY MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, 22 with respect to your scientific publications and work, 23 rely on small subsets of internal company documents? 24 MS. O'DELL: Object to the form. 25 Did you agenet hat. 26 Did you review each of these documents of 27 that generally familiar to you? 28 A. I can pull the paper if we're going to need to discuss it more, but 39 Q. Well, my question is and you can decide you need to pull the paper. But do you agree that, 30 based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be documents that were selected by plaintiffs' counsel 30 that use before the age of 30? 31 If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So 30 Q. I think it's a simple question 31 A. Probably so. 32 So can you restate the question? I've lost it on the screen. 32 Q. Outside of your work in litigation, do you, 33 rely on small subsets of internal company documents? 34 Probably so on you agree that most women who use talcum powder in their perineal region begin that use before the age 30?	2	A. No. I believe I've listed everything that we	2	Q. Well, the Cramer 2016 paper actually goes
5 Did you review each of these documents of 6 Imerys and J&J that are identified in your 7 materials-reviewed list? 8 MS. O'DELL: Objection. Asked and 9 answered. 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 12 Q. Based upon that review, did you ask 13 plaintiffs' counsel if there were any additional 14 documents or documents that might put in context the 15 documents that were selected by plaintiffs' counsel 16 for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for 19 that. 20 BY MR. ZELLERS: 21 Do you agree that most women who use tallow powder in their perineal region beging to need to discuss it more, but 21 discuss it more, but 22 Well, my question is and you can decide you need to pull the paper. But do you agree that based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region begin that use before the age of 30? 23 If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So 24 Q. I think it's a simple question 25 Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 24 MS. O'DELL: Object to the form. 25 Do you agree that most women who use tally powder in their perineal region begin that use before the age 30?	3	saw.	3	through and lists out the age for the folks that were
Imerys and J&J that are identified in your materials-reviewed list? MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Object to the form.	4		4	included in that study first used genital powder. Is
materials-reviewed list? MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Objection. Asked and MS. O'DELL: Objection. Asked and answered. MS. O'DELL: Object on the form. MS. O'DELL: Object to the form.	5		5	
MS. O'DELL: Objection. Asked and answered. THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for BY MR. ZELLERS: Q. Well, my question is and you can decide you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form. MS. O'DELL: Object to the form. MS. O'DELL: Object to the form.	6	· ·		
9 you need to pull the paper. But do you agree that, 10 THE WITNESS: Yes. 11 BY MR. ZELLERS: 12 Q. Based upon that review, did you ask 13 plaintiffs' counsel if there were any additional 14 documents or documents that might put in context the 15 documents that were selected by plaintiffs' counsel 16 for you to review? 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for 19 that. 20 BY MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, 22 with respect to your scientific publications and work, 23 rely on small subsets of internal company documents? 24 MS. O'DELL: Object to the form. 29 you need to pull the paper. But do you agree that, 20 based upon your review of the literature, your 21 personal experience, that the vast majority of won 22 who use talcum powder in their perineal region be 23 that use before the age of 30? 24 If you need to take a look at the Cramer 29 paper, go to page 336. This is Cramer 2016, Tabl 20 A. So 21 Q. I think it's a simple question 22 A. Probably so. 23 it on the screen. 24 Do you agree that most women who use talcum powder in their perineal region begin that use before the age of 30? 24 age 30?	7		7	
THE WITNESS: Yes. 10 based upon your review of the literature, your personal experience, that the vast majority of won who use talcum powder in their perineal region be that use before the age of 30? 12 documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? 13 documents that were selected by plaintiffs' counsel for you to review? 14 documents that were selected by plaintiffs' counsel for you to review? 15 documents that were selected by plaintiffs' counsel for you to review? 16 A. So 17 MS. O'DELL: Object to the form. 18 THE WITNESS: No, I didn't ask for that. 19 So can you restate the question? I've lost it on the screen. 20 BY MR. ZELLERS: 20 it on the screen. 21 Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? 21 AS. O'DELL: Object to the form. 22 with respect to your scientific publications and work, rely on small subsets of internal company documents? 23 powder in their perineal region begin that use before the age of 30? 24 age 30?	8	MS. O'DELL: Objection. Asked and	8	O Well my question is and you can decide if
BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form. THE WITNESC: No, I didn't ask for and that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30?				Q. Well, my question is and you can decide if
Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? Mso O'DELL: Object to the form. The with respect to the form of the tree and additional that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30?	9			you need to pull the paper. But do you agree that,
plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? Ms. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before the age of 30?	9 10	THE WITNESS: Yes.	10	you need to pull the paper. But do you agree that, based upon your review of the literature, your
documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form. 14 If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Tabl A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tal- powder in their perineal region begin that use before age 30?	9 10 11	THE WITNESS: Yes. BY MR. ZELLERS:	10 11	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women
documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form. 15 paper, go to page 336. This is Cramer 2016, Table A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before MS. O'DELL: Object to the form. 24 MS. O'DELL: Object to the form.	9 10 11 12	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask	10 11 12	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin
for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form. 16 A. So Q. I think it's a simple question A. Probably so. 19 So can you restate the question? I've lost it on the screen. Q. Sure. Q. Sure. Do you agree that most women who use tale powder in their perineal region begin that use before age 30?	9 10 11 12 13	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional	10 11 12 13	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30?
MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form. 17 Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use tall powder in their perineal region begin that use before age 30?	9 10 11 12 13 14	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the	10 11 12 13 14	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer
THE WITNESS: No, I didn't ask for that. 19 that. 20 BY MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? rely on small subsets of internal company documents? As age 30? 24 MS. O'DELL: Object to the form. 18 A. Probably so. 20 it on the screen. 21 Q. Sure. 22 Do you agree that most women who use tall powder in their perineal region begin that use before age 30?	9 10 11 12 13 14 15	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel	10 11 12 13 14 15	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1.
that. 19 So can you restate the question? I've lost 20 BY MR. ZELLERS: 20 it on the screen. 21 Q. Outside of your work in litigation, do you, 21 Q. Sure. 22 with respect to your scientific publications and work, 22 Do you agree that most women who use tall 23 rely on small subsets of internal company documents? 23 powder in their perineal region begin that use before 24 MS. O'DELL: Object to the form. 24 age 30?	9 10 11 12 13 14 15 16	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review?	10 11 12 13 14 15	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So
20 BY MR. ZELLERS: 21 Q. Outside of your work in litigation, do you, 22 with respect to your scientific publications and work, 23 rely on small subsets of internal company documents? 24 MS. O'DELL: Object to the form. 20 it on the screen. 21 Q. Sure. 22 Do you agree that most women who use tall powder in their perineal region begin that use before age 30?	9 10 11 12 13 14 15 16 17	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form.	10 11 12 13 14 15 16	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question
Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents? MS. O'DELL: Object to the form. Q. Sure. Do you agree that most women who use tall powder in their perineal region begin that use before age 30?	9 10 11 12 13 14 15 16 17	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for	10 11 12 13 14 15 16 17	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question A. Probably so.
with respect to your scientific publications and work, rely on small subsets of internal company documents? 23 powder in their perineal region begin that use before MS. O'DELL: Object to the form. 24 age 30?	9 10 11 12 13 14 15 16 17 18	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that.	10 11 12 13 14 15 16 17 18	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost
rely on small subsets of internal company documents? 23 powder in their perineal region begin that use before MS. O'DELL: Object to the form. 24 age 30?	9 10 11 12 13 14 15 16 17 18 19	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS:	10 11 12 13 14 15 16 17 18 19	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen.
MS. O'DELL: Object to the form. 24 age 30?	9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you,	10 11 12 13 14 15 16 17 18 19 20 21	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure.
	9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work,	10 11 12 13 14 15 16 17 18 19 20 21	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use talcum
25 THE WITNESS: I helieve this is the 1 25 Δ Vec	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents?	10 11 12 13 14 15 16 17 18 19 20 21 22 23	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use talcum powder in their perineal region begin that use before
A. 168.	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: Yes. BY MR. ZELLERS: Q. Based upon that review, did you ask plaintiffs' counsel if there were any additional documents or documents that might put in context the documents that were selected by plaintiffs' counsel for you to review? MS. O'DELL: Object to the form. THE WITNESS: No, I didn't ask for that. BY MR. ZELLERS: Q. Outside of your work in litigation, do you, with respect to your scientific publications and work, rely on small subsets of internal company documents?	10 11 12 13 14 15 16 17 18 19 20 21 22 23	you need to pull the paper. But do you agree that, based upon your review of the literature, your personal experience, that the vast majority of women who use talcum powder in their perineal region begin that use before the age of 30? If you need to take a look at the Cramer paper, go to page 336. This is Cramer 2016, Table 1. A. So Q. I think it's a simple question A. Probably so. So can you restate the question? I've lost it on the screen. Q. Sure. Do you agree that most women who use talcum powder in their perineal region begin that use before

1	Page 78		Page 80
1	Q. Do you agree that, on average, women who use	1	cause, but the cause doesn't but the risk factor
2	talcum powder in their perineal region continue that	2	doesn't cause the cancer in every instance.
3	use for over 20 years?	3	Q. Talcum powder is a risk factor for ovarian
4	A. Yes.	4	cancer; is that right?
5	Q. It's your opinion that talcum powder causes	5	A. And it causes ovarian cancer.
6	ovarian cancer; is that right?	6	Q. Every factor that you identified for us
7	A. Yes, sir.	7	age, pelvic inflammatory disease, obesity those are
8	Q. What are the other causes of ovarian cancer?	8	all risk factors for ovarian cancer and, in your
9	A. We can talk about risk factors	9	opinion, causes of ovarian cancer; is that right?
10	Q. No, I don't want to talk about risk factors.	10	A. Yes.
11	You have identified talcum powder as a causative	11	Q. If a study shows a statistically significant
12	factor in ovarian cancer; is that right?	12	relationship between a risk factor and a disease, is
13	A. Right.	13	that enough for the factor to be classified as a
14	Q. That's different than being a risk factor for	14	cause?
15	ovarian cancer; is that right?	15	A. In my opinion, yes.
16	MS. O'DELL: Object to the form.	16	Q. Just takes one study; is that right?
17	THE WITNESS: I'm not sure that's true.	17	MS. O'DELL: Object to the form.
18	BY MR. ZELLERS:	18	THE WITNESS: No. Now we're talking
19	Q. Well, is it your opinion that ovarian cancer	19	about the totality of the evidence, and nearly all of
20	is caused by talcum powder or that talcum powder is a	20	those all those risk factors that I described to
21	risk factor for ovarian cancer?	21	you that are causative for ovarian cancer, including
22	A. Ovarian cancer is caused by talcum powder.	22	talcum powder, there's more than just one study.
23	Q. What other causes of ovarian cancer are	23	BY MR. ZELLERS:
24	there, in your opinion?	24	Q. Let me ask my question again because I may
25	A. Fair enough.	25	not have been clear.
	Page 79		Page 81
1	Age, lack of exposure to birth control	1	If a study shows a statistically significant
2	pills, lack of being pregnant so nulliparity	م ا	
3		2	relationship between a risk factor and a disease, is
	obesity, women that have had pelvic inflammatory	3	relationship between a risk factor and a disease, is that enough for the factor to be classified as a
4	disease, women who use a nonhormonal-producing		
		3	that enough for the factor to be classified as a cause? A. I see what you're saying.
4	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome.	3 4	that enough for the factor to be classified as a cause?
4 5	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top	3 4 5	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion.
4 5 6	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list.	3 4 5 6	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice
4 5 6 7 8 9	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in	3 4 5 6 7 8 9	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you
4 5 6 7 8 9	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is	3 4 5 6 7 8 9	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the
4 5 6 7 8 9 10	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right?	3 4 5 6 7 8 9 10	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer?
4 5 6 7 8 9 10 11	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes.	3 4 5 6 7 8 9 10 11	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form.
4 5 6 7 8 9 10 11 12 13	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor	3 4 5 6 7 8 9 10 11 12	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done
4 5 6 7 8 9 10 11 12 13	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause?	3 4 5 6 7 8 9 10 11 12 13	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now.
4 5 6 7 8 9 10 11 12 13 14	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor	3 4 5 6 7 8 9 10 11 12 13 14 15	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS:
4 5 6 7 8 9 10 11 12 13 14 15	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman	3 4 5 6 7 8 9 10 11 12 13 14 15	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that
4 5 6 7 8 9 10 11 12 13 14 15 16 17	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes. Q. Is that true for talcum powder?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way or the other.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes. Q. Is that true for talcum powder? A. Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way or the other. To do that, I used very similar techniques
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes. Q. Is that true for talcum powder? A. Yes. Q. What makes a factor cross the line from being	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way or the other. To do that, I used very similar techniques that I use in doing peer-reviewed publications, of
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	disease, women who use a nonhormonal-producing intrauterine device, women who have gene mutations for BRCA1, 2, or Lynch syndrome. There are probably others; but, off the top of my head, I think that's a fairly complete list. Q. Each of the items that you have mentioned, in your opinion, those are causes of ovarian cancer; is that right? A. Yes. Q. What is the difference between a risk factor and a cause? A. They're virtually the same. A risk factor describes a cause. It does not affect every woman that has that risk factor. Q. Is that true for all of the risk factors that you just identified? A. Yes. Q. Is that true for talcum powder? A. Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that enough for the factor to be classified as a cause? A. I see what you're saying. So, no, one study is not sufficient, in my opinion. Q. Other than your discussion with Dr. Rice sometime after November 16th of 2018, what have you done to alert the medical community about the relationship between talcum powder and ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: That's all I've done right now. BY MR. ZELLERS: Q. What was your methodology for concluding that talcum powder causes ovarian cancer? A. All right. So then we get into what I describe as my methods to come to this conclusion. And I was asked by counsel to form an opinion one way or the other. To do that, I used very similar techniques

Page 84 Page 82 In this case, I used a PubMed search. 1 1 I think, pretty much interchangeable terms. 2 I also used a Google search. And I reviewed a number 2 I think in evidence-based medicine probably 3 3 of textbooks. In my PubMed search, many times there fits more into my clinical practice, and it's my 4 were references that then I would turn to and also 4 understanding Bradford Hill fits more into litigation. 5 5 pull up to review; and that's where many of these BY MR. ZELLERS: 6 6 publications over here in these binders come from. Q. Try to answer my question if you can. 7 As I then start working my way through it, 7 Do you believe that the standard for proving 8 8 causation in the medical and scientific literature is we start -- you know, in medicine, I would call it 9 evidence-based medicine. In this particular 9 the same as the one that applies in litigation? 10 10 circumstance, Bradford Hill criteria are used to come MS. O'DELL: Object to the form. Asked 11 to a conclusion. And I have my Bradford Hill summary 11 and answered. 12 in the back of my -- at the end of my report to show 12 THE WITNESS: I believe so. 13 you how I came to my conclusions that talcum powder 13 BY MR. ZELLERS: 14 14 causes ovarian cancer. Q. Is it generally known among gynecological 15 Q. Anything else that you did in terms of your 15 oncologists that talcum powder causes ovarian cancer? 16 16 methodology for concluding that talcum powder causes A. Not until recently. I think I referred to a 17 17 ovarian cancer? tipping point that's happening right now that will 18 A. I, you know, of course, in looking at 18 make more gynecologic oncologists aware of the 19 publications come to try to put some weight on the 19 problem. 20 publications, whether this is something that should be 20 Q. At least as of now, though, the answer would 21 given more weight or less weight. 21 be no based upon your experience; correct? 2.2 I don't have a scoring system per se, but 22 A. My experience at the moment is that many 23 evaluating the size of the study, the statistical 23 gynecologic oncologists are starting to suspect that 24 analysis, the study design, the credibility of the 24 there is an association and that talcum powder causes 25 25 author, the quality of the journal that the ovarian cancer based on the literature and then also, Page 83 Page 85 1 publication is printed in are all things that come to 1 importantly, on what the news media has been 2 my -- fit into my evaluation and help me come to my 2 3 3 conclusion. Q. What was your methodology for focusing on 4 4 Q. Anything else? certain studies and excluding or not addressing other 5 5 A. In the end, it's a matter of the totality of studies in your review? 6 what I've reviewed to bring forward my opinion based MS. O'DELL: Object to the form. 6 7 on the Bradford Hill criteria. 7 THE WITNESS: Well, I think I tried to 8 Q. Anything else? 8 answer that before. I was trying to put a weight to 9 9 A. Not that I'm aware of except for my own those studies that are more or less strong, if you 10 personal experience as a gynecologic oncologist for 10 will, and -- and others that are there but really 11 nearly 40 years. And I've harkened back several times 11 don't have any input or bearing on my decision. already to my early training and then subsequent to 12 12 BY MR. ZELLERS: 13 13 Q. You do not discuss or address the cohort 14 Q. Did you follow this same methodology with 14 studies in your report; is that right? 15 regard to the other question that you addressed, 15 A. That's true. 16 whether or not there was a biologic mechanism by which 16 MS. O'DELL: Object to the form. 17 talcum powder could cause ovarian cancer? 17 BY MR. ZELLERS: 18 A. Yes, sir. 18 Q. Would you agree that, if you had only looked 19 Q. Do you believe that the standard for proving 19 at the cohort studies in this case, that you would not 20 causation in the medical literature is the same as the 20 have been able to opine that talcum powder causes 21 one that applies in litigation? 21 ovarian cancer? 22 MS. O'DELL: Object to the form. 22 MS. O'DELL: Object to the form. 23 THE WITNESS: I think that we use --23 THE WITNESS: Exactly why I tried to do 24 whether you want to call it Bradford Hill or whether 24 a full literature search and included case-control

25

studies.

25

we want to call it evidence-based medicine, those are,

	Page 86		Page 88
1	BY MR. ZELLERS:	1	MS. O'DELL: Mike, after
2	Q. You believe well, strike that.	2	Dr. Clarke-Pearson answers this question, we've been
3	You have published a number of articles on	3	going about an hour and 50 minutes. If we could take
4	ovarian cancer; is that right?	4	a break, that would be great.
5	A. I believe so.	5	MR. ZELLERS: That's fine. I've got
6	Q. In any of those articles, have you published	6	one more after this, and then would be glad to take a
7	your theory that baby powder causes ovarian cancer?	7	break.
8	MS. O'DELL: Object to the form.	8	BY MR. ZELLERS:
9	THE WITNESS: The intention of those	9	Q. Dr. Clarke-Pearson, can you answer that?
10	articles was not to address causation or risk factors.	10	A. I thought I had a folder on inflammation
11	BY MR. ZELLERS:	11	here. I don't think you put it under your pile. But,
12	Q. Is the answer no, that you have not, at least	12	at any rate, I think I have seen evidence that talc
13	in those publications, discussed your theory that baby	13	can cause inflammation in the ovary.
14	powder causes ovarian cancer?	14	Q. Let me ask my question again.
15	MS. O'DELL: Object to the form.	15	Can you identify a single article that
16	THE WITNESS: Those papers were not	16	identifies inflammation anywhere in a woman's
17	intended to discuss risk factors associated with	17	reproductive tract resulting from external genital
18	talcum powder, so the answer is no.	18	tale application?
19	BY MR. ZELLERS:	19	MS. O'DELL: Object to the form.
20	Q. Have you conducted any tests or experiments	20	THE WITNESS: I don't believe so, that
21	to confirm your theory that talc migrates from the	21	I can quote for you right now.
22	perineum to the ovaries?	22	BY MR. ZELLERS:
23	MS. O'DELL: Object to the form.	23	Q. Can you cite a single study, animal or human,
24	THE WITNESS: It's my opinion and	24	that traces externally applied talc up through the
25	this is not a theory that it's well established in	25	reproductive tract to the ovaries?
	Page 87		Page 89
1	the gynecologic community that talc can migrate along	1	A. I think that's well accepted, as I said, in
2	with other particles from the perineum to the ovarian	2	the gynecologic community, that the vagina is open to
3	surface and fallopian tube.	3	the outside world, if you will, there's no lid at the
4	BY MR. ZELLERS:	4	opening of the vagina, and that particles of talc can
5	Q. Try and answer my question if you can.	5	migrate from the vulva and perineum up through the
6	Have you, Dr. Clarke-Pearson, conducted any	6	uterus and onto the ovaries.
7	tests or experiments to confirm the theory that talc	7	Q. Now I need you to answer my question. Do you
8	migrates from the perineum to the ovaries?	8	need me to repeat it?
9	MS. O'DELL: Object to the form.	9	MS. O'DELL: Well, Counsel, won't you
10	THE WITNESS: No, I have not.	10	be courteous of the witness. He answered your
11	BY MR. ZELLERS:	11	question. You may not have liked the answer. And you
12	Q. Have you, Dr. Clarke-Pearson, conducted any	12	happy to ask another question.
13	tests or experiments to confirm your theory that talc	13	MR. ZELLERS: No, he did not answer my
14	causes cancer via inflammation?	14	question.
15	MS. O'DELL: Object to the form.	15	MS. O'DELL: He did answer your
16	THE WITNESS: It's not my theory; it's	16	question.
17	my opinion that talc causes ovarian cancer through	17	MR. ZELLERS: The record will reflect
	inflammation.	18	he did not. And I think both of us, all of us, are
18	I have not done any children to confirm my	19	being cordial and professional. If, at any time, Dr. Clarke-Pearson, you
19	I have not done any studies to confirm my		ii. at any time. Dr. Clarke-Pearson, vou
19 20	opinion.	20	
19 20 21	opinion. BY MR. ZELLERS:	21	don't think I'm being professional, let me know.
19 20 21 22	opinion. BY MR. ZELLERS: Q. Can you identify a single article that	21 22	don't think I'm being professional, let me know. Okay?
19 20 21 22 23	opinion. BY MR. ZELLERS: Q. Can you identify a single article that identifies inflammation anywhere in a woman's	21 22 23	don't think I'm being professional, let me know. Okay? THE WITNESS: Sure.
19 20 21 22	opinion. BY MR. ZELLERS: Q. Can you identify a single article that	21 22	don't think I'm being professional, let me know. Okay?

Page 90 Page 92 any study, animal or human, that traces externally 1 1 several theories as to the origin of ovarian cancer; 2 applied talc up through the reproductive tact to the 2 is that right? 3 3 ovaries? MS. O'DELL: Object to the form. 4 MS. O'DELL: Object to the form. 4 THE WITNESS: Yes. THE WITNESS: So by study, you mean a 5 5 BY MR. ZELLERS: 6 6 peer-reviewed publication? Q. Do you agree that, although some risk 7 BY MR. ZELLERS: 7 factors, like age or BRCA genetic mutations have been 8 Q. Yes. 8 identified, it's impossible to say for sure what the 9 9 A. I cannot. cause of ovarian cancer was for any individual woman? 10 MS. O'DELL: Object to the form. 10 MR. ZELLERS: Let's take a break. 11 THE WITNESS: Well, we know that the 11 THE VIDEOGRAPHER: Going off the record 12 at 10:50 a.m. 12 cause is a genetic mutation that allows the ovarian 13 (Recess taken from 10:50 a.m. to 11:04 a.m.) 13 cancer -- that ovarian cell that was normal to become 14 THE VIDEOGRAPHER: Back on record at 14 a malignant cell and loses its regulation and growth. 15 BY MR. ZELLERS: 15 11:04 a.m. BY MR. ZELLERS: 16 16 Q. Do you agree, though, that it is impossible 17 to say for sure what the cause of ovarian cancer was 17 Q. Dr. Clarke-Pearson, do you treat women who have ovarian cancer and other gynecological disease? 18 18 for any individual woman? A. I've treated hundreds of women with ovarian 19 19 MS. O'DELL: Object to the form. 20 cancer, put them through radical surgical procedures, 20 THE WITNESS: The cause is always a 21 including bowel resections and removing their spleen 21 gene mutation. 22 to get their cancer out. I've given them 22 BY MR. ZELLERS: 23 chemotherapy. We've had some successes. I've taken 23 Q. Is it your testimony that you are able to 24 care of a lot of patients throughout the remainder of 24 identify the cause of ovarian cancer in all cases? 25 25 their life as they died from ovarian cancer. MS. O'DELL: Object to the form. Page 91 Page 93 1 1 THE WITNESS: I can't identify the gene So to answer your question, yes. 2 Q. Do you also counsel women who are at high 2 mutation in all cases, no. 3 3 BY MR. ZELLERS: risk for ovarian cancer? 4 MS. O'DELL: Object to the form. 4 Q. Is it impossible to say for sure what gene 5 5 THE WITNESS: Yes. mutation or other cause of ovarian cancer was for any 6 6 individual woman? BY MR. ZELLERS: 7 7 MS. O'DELL: Object to the form. Q. Ovarian cancer is a complex disease; correct? 8 8 THE WITNESS: In some individual women, A. Cancer, in general, is a complex disease. 9 9 we can identify the cause, for example, the mutation I wish we knew more about it. 10 10 of the BRCA1 and 2 gene. We can also do genetic Q. No one knows for sure how ovarian cancer profiling more and more these days, identifying a 11 develops; is that right? 11 12 MS. O'DELL: Object to the form. 12 number of gene mutations that then lead to the THE WITNESS: I think we have some 13 13 malignancy. 14 strong opinions based on scientific research, and we 14 BY MR. ZELLERS: 15 Q. Other than BRCA1 and 2, do you agree that it 15 continue to research further in terms of the genetics is impossible to say for sure what the cause of 16 and mutations that go along with developing ovarian 16 17 17 ovarian cancer was for any individual woman? 18 BY MR. ZELLERS: 18 MS. O'DELL: Object to the form. 19 19 THE WITNESS: There are more gene Q. Is it true that no one knows for sure how 20 ovarian cancer develops? 20 mutations than BRCA 1 and 2. There's PD1 and others 21 MS. O'DELL: Object to the form. 21 that I don't have off the top of my head that are now 22 THE WITNESS: I guess no one knows for 22 being identified. 23 23 BY MR. ZELLERS: sure. 24 24 BY MR. ZELLERS: Q. Other than when a specific gene mutation can 25 25 be identified, is it impossible to say for sure what Q. You refer in your report to there being

	Page 94		Page 96
1	the cause of ovarian cancer was for any individual	1	then also advise.
2	woman?	2	Q. As of today, it's not part of the patient
3	MS. O'DELL: Object to the form.	3	intake form; is that right?
4	THE WITNESS: In to answer your	4	A. As of today, no.
5	question, what I think I understand your question	5	Q. As of today, the University of North Carolina
6	being, if we can't identify a gene mutation, then we	6	and the department that you chair do not advise women
7	don't know what caused it. Is that what you're asking	7	that perineal use of talcum powder causes ovarian
8	me?	8	cancer; correct?
9	BY MR. ZELLERS:	9	MS. O'DELL: Object to the form.
10	Q. Yes.	10	THE WITNESS: That's correct.
11	A. Then the answer would be, yes, we don't know.	11	BY MR. ZELLERS:
12	Q. In your practice, do you diagnose what caused	12	Q. Do you teach residents about talc as a
13	your patients' ovarian cancer?	13	potential risk factor?
14	A. We do genetic profiling, as is a relatively	14	A. It is listed as a potential risk factor
15	new approach to trying to approach causes, and also	15	today, and I think in the very near future it will be
16	personalized treatment for patients with ovarian	16	considered a risk factor and a causative factor.
17	cancer.	17	Q. When did you first start doing that, teaching
18	Q. Other than genetic profiling, in your	18	residents about talc as a potential risk factor?
19	practice do you diagnose what caused your patients'	19	A. Well, I think it's been in the literature for
20	ovarian cancer?	20	a good while as a potential risk factor.
21	MS. O'DELL: Object to the form.	21	Q. My question is when did you first begin
22	THE WITNESS: We don't. There's no	22	teaching residents about talc as a potential risk
23	I don't think anybody can.	23	factor?
24	BY MR. ZELLERS:	24	A. I think from the time that I was starting to
25	Q. In your practice, do you tell your patients	25	teach residents in 1975 well, I was a resident in
	D 05		5 05
-	Page 95		Page 97
1	what caused their ovarian cancer other than with	1	'75 1979 when I finished my residency and started
2	what caused their ovarian cancer other than with respect to genetic profiling?	2	'75 1979 when I finished my residency and started teaching residents.
2	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form.	2 3	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if
2 3 4	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No.	2 3 4	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening
2 3 4 5	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS:	2 3 4 5	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question?
2 3 4 5 6	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the	2 3 4 5 6	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for
2 3 4 5 6 7	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer?	2 3 4 5 6 7	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find
2 3 4 5 6 7 8	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No.	2 3 4 5 6 7 8	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to
2 3 4 5 6 7 8	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or	2 3 4 5 6 7 8	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying
2 3 4 5 6 7 8 9	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and	2 3 4 5 6 7 8 9	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer.
2 3 4 5 6 7 8 9 10	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between	2 3 4 5 6 7 8 9 10	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum
2 3 4 5 6 7 8 9 10 11	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer?	2 3 4 5 6 7 8 9	'75 1979 when I finished my residency and started teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer?
2 3 4 5 6 7 8 9 10 11 12	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall.	2 3 4 5 6 7 8 9 10 11	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No.
2 3 4 5 6 7 8 9 10 11 12 13	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or	2 3 4 5 6 7 8 9 10 11 12	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening
2 3 4 5 6 7 8 9 10 11 12	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or	2 3 4 5 6 7 8 9 10 11 12 13	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's
2 3 4 5 6 7 8 9 10 11 12 13 14 15	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or	2 3 4 5 6 7 8 9 10 11 12 13 14 15	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and	2 3 4 5 6 7 8 9 10 11 12 13 14 15	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of talcum powder causes ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or ovaries because of her talcum powder use?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of talcum powder causes ovarian cancer? A. Well, again, back to my point of the tipping	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or ovaries because of her talcum powder use? A. I think that is likely to become a discussion in the near future, and we would have to balance the risks of surgery versus the risks of developing
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	what caused their ovarian cancer other than with respect to genetic profiling? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Have you ever given any presentation on the relationship between talcum powder and ovarian cancer? A. No. Q. Have you ever spoken at a conference or meeting of the American College of Obstetricians and Gynecologists, or ACOG, about the relationship between talcum powder and ovarian cancer? A. Not that I recall. Q. Have you ever spoken at a conference or meeting of the Society of Gynecologic Oncology, or SGO, about the relationship between talcum powder and ovarian cancer? A. No. Q. Does your institution, the University of North Carolina, advise women that perineal use of talcum powder causes ovarian cancer? A. Well, again, back to my point of the tipping point in this whole discussion. And so at this	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	teaching residents. Q. Do you today ask any of your own patients if they used talcum powder as a routine screening question? A. I think that would be very inappropriate for a woman who has advanced ovarian cancer to try to find and cause her to feel guilt that she did something to cause ovarian cancer. My situation is one of trying to take care of women that have ovarian cancer. Q. Have you ever told a patient that talcum powder caused her ovarian cancer? A. No. Q. Have you ever recommended increased screening or monitoring for ovarian cancer based on a patient's prior use of talcum powder products? A. Not yet. Q. Have you ever recommended that a patient who had a history of using talcum powder undergo prophylactic surgery to remove the fallopian tubes or ovaries because of her talcum powder use? A. I think that is likely to become a discussion in the near future, and we would have to balance the

	Page 98		Page 100
1	Q. As of today, you have not; is that right?	1	A. All right. I think I can answer this. This
2	A. That's correct.	2	is a long time ago.
3	Q. Have you ever asked your patients about their	3	Q. As and let me just repeat my question, and
4	exposure to asbestos in the course of taking their	4	I'm specifically looking at the statement toward the
5	medical histories?	5	bottom of the third column on page 1 of the
6	A. No.	6	publication.
7	Q. Are you familiar with screenings for asbestos	7	The study concluded that p53 mutations in
8	exposure?	8	ovarian cancer arise because of spontaneous errors in
9	A. I'm not familiar with that.	9	DNA synthesis and repair rather than the direct
10	Q. Do you ask your patients about their	10	interaction of carcinogens with DNA; is that right?
11	occupational history?	11	A. That's what it reads.
12	A. I often yes, most of the time I find out	12	Q. That would be inconsistent with the idea that
13	what the patient does outside the home.	13	exposure to talcum powder causes errors in DNA
14	Q. Do you ask your patients about the	14	synthesis and repair that lead to cancer; is that
15	occupational history of their parents?	15	right?
16	A. I do not.	16	MS. O'DELL: Object to the form.
17	Q. Do you ask your patients about their spouse's	17	THE WITNESS: No, that's not that's
18	occupational history?	18	not correct.
19	A. Sometimes.	19	BY MR. ZELLERS:
20	Q. Do you ask what kind of buildings your	20	Q. Why is that not correct?
21	patients have either lived in or do live in?	21	A. So the inflammatory response of the ovarian
22	A. No.	22	epithelium to talcum powder then leads to gene
23	Q. Do you ask about the kind of buildings that	23	mutations, and there is mounting evidence that that's
24	your patients either work in or have worked in?	24	happening in work that's being written and presented
25	A. Have not.	25	by Dr. Saed in particular.
	Page 99		Page 101
1	Q. In 1993 you coauthored an article on the	1	Q. Does your paper the 1993 paper discuss
2	mutations of the p53 gene and ovarian cancer; is that	2	inflammation?
3	right?	3	A. No. That wasn't part of the question that
4	A. I believe so. I was a coauthor.		
5		4	was being pursued in this laboratory investigation.
ر	Q. That study concluded that p53 mutations in	5	Q. Your paper in 1983 [sic] states that
6	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in		Q. Your paper in 1983 [sic] states that (as read):
	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct	5	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from
6	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in	5 6	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed
6 7 8 9	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that	5 6 7 8 9	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing
6 7 8 9 10	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right?	5 6 7 8 9	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian
6 7 8 9 10 11	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed	5 6 7 8 9 10 11	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to
6 7 8 9 10 11	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that	5 6 7 8 9 10 11	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens."
6 7 8 9 10 11 12	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our	5 6 7 8 9 10 11 12 13	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right?
6 7 8 9 10 11 12 13	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor.	5 6 7 8 9 10 11 12 13	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form.
6 7 8 9 10 11 12 13 14	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is	5 6 7 8 9 10 11 12 13 14	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS:
6 7 8 9 10 11 12 13 14 15	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named	5 6 7 8 9 10 11 12 13 14 15	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of
6 7 8 9 10 11 12 13 14 15 16 17	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler.	5 6 7 8 9 10 11 12 13 14 15 16	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line
6 7 8 9 10 11 12 13 14 15 16 17	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.)	5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column.
6 7 8 9 10 11 12 13 14 15 16 17 18	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS:	5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you. This is your paper that you were a coauthor	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of the investigation that we did looking at carcinogens.
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you. This is your paper that you were a coauthor on back in 1993; is that right?	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of the investigation that we did looking at carcinogens. Q. In 2009, you published an article entitled
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. That study concluded that p53 mutations in ovarian cancer arise because of spontaneous errors in DNA synthesis and repair rather than direct interaction with strike that rather than the direct interaction of carcinogens with DNA; is that right? MS. O'DELL: He needed THE WITNESS: I would have to see that paper. 1993 was a long time ago. It was kind of our lab. And I was not in the lab, but I was a coauthor. MR. ZELLERS: Deposition Exhibit 16 is the paper on which you were an author. First named author was Kohler. (Exhibit No. 16 was marked for identification.) BY MR. ZELLERS: Q. Take just a quick look at that, and I have a specific question for you. This is your paper that you were a coauthor	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Your paper in 1983 [sic] states that (as read): "Consistent with data from epidemiologic studies that failed to demonstrate a convincing relationship between ovarian cancer and exposure to environmental carcinogens." Is that right? MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And I'm looking again at the first page of your article at the bottom or right above the line in the third column. A. You've read that correctly. I would have to reread this paper it's more than 20 years old because I'm not continue I'm not currently aware of the investigation that we did looking at carcinogens.

	Page 102		Page 104
1	MR. ZELLERS: We'll mark your 2009	1	A. I don't recall that, but it may be on the
2	article as Deposition Exhibit 17.	2	videotape that you probably have.
3	(Exhibit No. 17 was marked for identification.)	3	Q. You did not tell the viewers that talcum
4	THE WITNESS: Yes. Okay.	4	powder was associated with or a cause of ovarian
5	BY MR. ZELLERS:	5	cancer; is that right?
6	Q. This is an article that you authored; is that	6	A. That's correct, because at that point in time
7	right?	7	I didn't believe it was causative.
8	A. Yes, it was printed in The New England	8	Q. It wasn't until after being retained in this
9	Journal. I was invited to write this clinical review.	9	case, and around the time that you concluded your
10	Q. This is an article that is captioned	10	review in November of 2018, that you formed that
11	"Screening for Ovarian Cancer." Is that right?	11	opinion; correct?
12	A. Yes.	12	MS. O'DELL: Object to the form.
13	Q. This is many years before you were retained	13	Excuse me. Go ahead.
14	by Dr. Thompson and plaintiffs' counsel in the talcum	14	THE WITNESS: As I was preparing to
15	powder litigation; is that right?	15	offer an opinion, I did this review and came to that
16	A. Yes.	16	opinion, yes.
17	Q. In this article, you discussed risk factors	17	BY MR. ZELLERS:
18	for ovarian cancer. And I'm looking at the second	18	Q. If we try to put a time on it, it would be
19	paragraph on page 1.	19	toward the latter part of 2018, once you had completed
20	A. The first page of page 170?	20	your review that you've told us about in connection
21	Q. Yes. And my question, specifically, is you	21	with this litigation; correct?
22	only discussed in this article the risk factors of	22	A. Yes.
23	family history of ovarian or breast cancer and the	23	MS. O'DELL: Object to the form.
24	BRCA genetic mutations; is that right?	24	BY MR. ZELLERS:
25	MS. O'DELL: Object to the form.	25	Q. Where do practicing gynecological oncologists
	·		
	Page 103		Page 105
1	THE WITNESS: That's what appears to	1	look for guidance on what the risk factors are for
2	be, yes.	2	ovarian cancer?
3	BY MR. ZELLERS:	3	A. I think a variety of sources, from
4	Q. You did not mention talcum powder in this	4	published in many textbooks, review articles.
5	article; is that right?	5	Q. Well, just as you don't have the time to go
6	A. It appears I didn't mention several other	6	and research each and every potential risk factor for
7	risk factors. That wasn't the intent of this article.	7	ovarian cancer in depth, you rely on certain
8	Q. Well, in July of 2014, you appeared on a FOX	8	organizations to do that research for you; right?
9	News station to discuss ovarian cancer; do you	9	MS. O'DELL: Object to the form.
10	remember that?	10	THE WITNESS: And other researchers,
11	A. Vaguely.	11	yes.
12	Q. That was before you were retained by	12	BY MR. ZELLERS:
13	Dr. Thompson and by plaintiffs' counsel in this case;	13	Q. One organization would be the American
14	correct?	14	College of Obstetricians and Gynecologists, or ACOG;
15	MS. O'DELL: Object to the form.	15	is that right?
16	THE WITNESS: Yes.	16	A. Yes.
		17	Q. Another organization would be the Society of
17	BY MR. ZELLERS:		
17 18	Q. As part of that discussion, you were asked	18	Gynecologic Oncology, or SGO; is that right?
17 18 19	Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer.	19	A. Yes.
17 18 19 20	Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that?	19 20	A. Yes.Q. Another would be the National Cancer
17 18 19 20 21	Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No.	19 20 21	A. Yes. Q. Another would be the National Cancer Institute's physician data queries?
17 18 19 20 21 22	 Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No. Q. Do you recall that, in that interview in 	19 20 21 22	A. Yes.Q. Another would be the National CancerInstitute's physician data queries?A. I probably wouldn't turn to that, but it's
17 18 19 20 21 22 23	 Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No. Q. Do you recall that, in that interview in 2014, July, you only mentioned age, family history of 	19 20 21 22 23	A. Yes. Q. Another would be the National Cancer Institute's physician data queries? A. I probably wouldn't turn to that, but it's information available to the public.
17 18 19 20 21 22	 Q. As part of that discussion, you were asked and talked about risk factors for ovarian cancer. Do you recall that? A. No. Q. Do you recall that, in that interview in 	19 20 21 22	A. Yes.Q. Another would be the National CancerInstitute's physician data queries?A. I probably wouldn't turn to that, but it's

	Page 106		Page 108
1	MS. O'DELL: Object to the form.	1	caused by talcum powder will be reflected in those
2	THE WITNESS: I'm not quite certain.	2	statements in the future.
3	I'm not familiar with that. Is this a PDQ you're	3	Q. You don't have any reason to believe that the
4	talking about?	4	physicians at ACOG and SGO have not kept up to date
5	BY MR. ZELLERS:	5	with the talc and ovarian cancer epidemiology, do you?
6	Q. A PDQ. But you're familiar, certainly, with	6	MS. O'DELL: Object to the form.
7	the National Cancer Institute; right?	7	THE WITNESS: I think that they haven't
8	A. Yes.	8	looked at this question as in depth as I have.
9	Q. The National Cancer Institute has funded at	9	BY MR. ZELLERS:
10	least some of the studies that you have been involved	10	Q. How do you know that?
11	in; is that right?	11	A. I'm quite certain of that.
12	A. As basic research and research into ovarian	12	Q. Well
13	cancer treatment, not necessarily risk factors.	13	A. This is a huge amount of work, to spend 80
14	Q. Is it a reputable organization, the National	14	hours reviewing materials to come to my opinion. I'm
15	Cancer Institute?	15	not aware of any other physician that's been tasked
16	A. It's an agency that sponsors cancer research,	16	with that job, if you will.
17	by and large.	17	Q. Are there not committees on both ACOG and SGO
18	Q. Is that a "yes"?	18	that look into risk factors and potential causes for
19	A. There they're reputable in terms of	19	ovarian cancer?
20	sponsoring cancer research.	20 21	A. I have served as the committee chair for the
21	Q. You're a member of ACOG; is that right?	21	GYN Management Committee at ACOG, which publishes
22	A. Yes, sir.	23	committee opinions. And I've also served on the
23 24	Q. You're a member of SGO; is that right? A. Yes.	24	practice committee, which puts out technical bulletins, now called practice bulletins.
25	A. 1 es. Q. You were the president of SGO from 2009 to	25	In both cases, ACOG is asked by a member to
25	Q. Tou were the president of 300 from 2009 to	23	in both cases, Acoo is asked by a member to
	Page 107		Page 109
1	Page 107 2010; is that right?	1	Page 109 consider investigating and writing an opinion about
1 2	2010; is that right? A. Yeah.	1 2	
	2010; is that right? A. Yeah. Q. You've served on a number of committees for		consider investigating and writing an opinion about
2	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right?	2	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not.
2 3 4 5	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes.	2 3 4 5	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who
2 3 4 5 6	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and	2 3 4 5 6	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer?
2 3 4 5 6 7	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are	2 3 4 5 6 7	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at
2 3 4 5 6 7 8	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health?	2 3 4 5 6 7 8	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question.
2 3 4 5 6 7 8	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes.	2 3 4 5 6 7 8	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can
2 3 4 5 6 7 8 9	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees
2 3 4 5 6 7 8 9 10	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor;
2 3 4 5 6 7 8 9 10 11	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case,	2 3 4 5 6 7 8 9 10 11	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct?
2 3 4 5 6 7 8 9 10 11 12	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO	2 3 4 5 6 7 8 9 10 11 12	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure.
2 3 4 5 6 7 8 9 10 11 12 13	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never
2 3 4 5 6 7 8 9 10 11 12 13 14 15	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors	2 3 4 5 6 7 8 9 10 11 12 13 14 15	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer? A. Again, I'm getting back to my point that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that Centers for Disease Control and Prevention, the CDC,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	2010; is that right? A. Yeah. Q. You've served on a number of committees for both ACOG and SGO; is that right? A. Yes. Q. Do you agree, generally, that the doctors and scientists in organizations like ACOG and SGO are working very hard to protect women's health? A. Yes. MS. O'DELL: Object to the form. BY MR. ZELLERS: Q. And, in forming your opinions in this case, did you consider the risk factors that ACOG and SGO recognized for ovarian cancer? A. I was familiar with the existing risk factors that had been identified. Q. Are you aware that, even as of today, in their patient-facing websites as well as in their publicly available information about ovarian cancer, neither ACOG nor SGO identify perineal use of talcum powder as a risk factor for ovarian cancer? A. Again, I'm getting back to my point that we're at a point in time where it's a tipping point.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	consider investigating and writing an opinion about that. So if the opinion was requested by an ACOG member, that committee would then decide whether they wanted to pursue that or not. Q. Does ACOG and SGO have committees who generally look at the risk factors for ovarian cancer? A. Only if that committee is asked to look at that question. Q. Any member of ACOG or any member of SGO can ask either ACOG or SGO and their respective committees to look at and evaluate a particular risk factor; correct? A. Yes. Sure. Q. And it's your testimony that that's never ever been done up until today? MS. O'DELL: Object to the form. THE WITNESS: No, it's not my testimony. I don't know what's been requested of ACOG in the past or currently. BY MR. ZELLERS: Q. Would it be important to you to know that Centers for Disease Control and Prevention, the CDC, does not list talcum powder or talc as a risk factor

	Page 110		Page 112
1	Q. The same for the Mayo Clinic. The Mayo	1	increased risk of ovarian cancer."
2	Clinic does not list tale as a risk factor for ovarian	2	Is that right?
3	cancer; correct?	3	A. That's what they say.
4	A. I'll take your word for it.	4	Q. If you go to 18 of 18, this statement was
5	Q. Have you received funding from the National	5	updated as of January 4th of 2019; is that right?
6	Institutes of Health?	6	MS. O'DELL: Object to the form.
7	A. I've received funding from the National	7	THE WITNESS: Yes, I see they updated
8	Cancer Institute, and I have received funding for	8	that.
9	physician training through the National Institutes of	9	And I think that I do recall having seen
10	Health for a women's reproductive health research	10	this. And my recollection is that their references
11	grant.	11	are not fully up to date too. And also, it befuddles
12	Q. Are you aware that NIH does not list talc as	12	me that the National Cancer Institute is that
13	a risk factor for ovarian cancer?	13	right? National Cancer Institute, going back to
14	A. I would have to look at their publications.	14	page 12, would take statistically significant clinical
15	That wouldn't surprise me, along with all the other	15	studies and dismiss that clinical significance a
16	agencies and foundations and organizations that you've	16	relative risk of 1.44, a relative risk of 1.26 I'm
17	listed previously.	17	sorry 1.71, a relative risk of 1.2 and say that
18	Q. With respect to the National Cancer	18	they're not important.
19	Institute, they do publish guidance for physicians on	19	BY MR. ZELLERS:
20	risk factors for cancer; is that right?	20	Q. You have no personal knowledge of the
21	A. I believe so.	21	analysis done by the National Cancer Institute that
22	Q. Take a look at Deposition Exhibit 18.	22	underlie this statement; correct?
23	(Exhibit No. 18 was marked for identification.)	23	A. I don't, and I have a hard time understanding
24	BY MR. ZELLERS:	24	how they came to the conclusions they have.
25	Q. Are you familiar with this publication of the	25	Q. Well, let's look at the FDA. The FDA has
	Page 111		Page 113
1	National Cancer Institute?	1	also looked at this issue, has looked at the Bradford
2	A. No.	2	Hill factors, and has concluded that causation has not
3	Q. This is not something that you reviewed in	3	been established as between talcum powder use
4	all of your preparation and research for rendering	4	peritoneal perineal talcum powder use and ovarian
5	your opinions in this case?	5	cancer; is that right?
6	A. I may have seen it, but I'm not familiar with	6	MS. O'DELL: Object to the form.
7	all the details of it.	7	THE WITNESS: I'd have to see the
8	Q. Well, did you review and rely on this	8	publication.
9	statement by the National Cancer Institute with regard	9	BY MR. ZELLERS:
10	to ovarian, fallopian tube, and primary peritoneal	10	Q. Well, let's take a look.
11	cancer prevention in your review of this matter?	11	I'm handing you what we have marked as
12	MS. O'DELL: Object to the form.	12	Deposition Exhibit 19.
13	THE WITNESS: It did not contribute to	13	(Exhibit No. 19 was marked for identification.)
14	my formation of my opinion, if that's what you're	14	BY MR. ZELLERS:
15	asking.	15	Q. This is a letter from the FDA. It has a date
16	BY MR. ZELLERS:	16	stamp at the top, April 1, 2014. It's addressed to
16	O W 11 4 1 1 1 1 C 21 12		Dr. Epstein at the University of Illinois in Chicago.
17	Q. Well, take a look, if you will, on page 12,	17	
17 18	12 of 18, at the section "Perineal Talc Exposure."	18	A. I think I have seen this one.
17 18 19	12 of 18, at the section "Perineal Talc Exposure." Do you see that?	18 19	A. I think I have seen this one.Q. FDA is another governmental entity; is that
17 18 19 20	12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes.	18 19 20	A. I think I have seen this one. Q. FDA is another governmental entity; is that right?
17 18 19 20 21	12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states	18 19 20 21	A. I think I have seen this one.Q. FDA is another governmental entity; is that right?A. Yes.
17 18 19 20 21 22	12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states (as read):	18 19 20 21 22	 A. I think I have seen this one. Q. FDA is another governmental entity; is that right? A. Yes. Q. As far as you know, the FDA is not biased one
17 18 19 20 21 22 23	12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states (as read): "The weight of evidence does not	18 19 20 21 22 23	 A. I think I have seen this one. Q. FDA is another governmental entity; is that right? A. Yes. Q. As far as you know, the FDA is not biased one way or the other with respect to the food and drug
17 18 19 20 21 22	12 of 18, at the section "Perineal Talc Exposure." Do you see that? A. Yes. Q. The National Cancer Institute states (as read):	18 19 20 21 22	 A. I think I have seen this one. Q. FDA is another governmental entity; is that right? A. Yes. Q. As far as you know, the FDA is not biased one

	Page 114		Page 116
1	THE WITNESS: No, that's incorrect. In	1	the pile.
2	my personal experience, the FDA has done a bad job in	2	BY MR. ZELLERS:
3	evaluating the risk of morcellation of uterine	3	Q. You have notes that are other than what you
4	fibroids. The data that they based their black box	4	brought here today?
5	opinion on in November of 2014 was based on inadequate	5	MS. O'DELL: I think it's in may be
6	review of the medical literature. And it was biased	6	in your stack, Doctor. I'm not sure. I don't have
7	and I think clearly influenced by some outside	7	it
8	sources.	8	THE WITNESS: Well, I'll go through it.
9	BY MR. ZELLERS:	9	My recall of this is this letter is all over
10	Q. Do you have criticisms of the FDA's review	10	the place in terms of pros and cons and pros and cons.
11	and investigation of talcum powder products?	11	So we can work my way through it, but go ahead.
12	A. I would like to reread this, because I did	12	I'm on page 4.
13	have some criticism in reading this.	13	BY MR. ZELLERS:
14	Q. Well, my question is more general. But you	14	Q. All right. The FDA goes through and reviews
15	would agree	15	epidemiology and etiology findings; is that right?
16	A. Yes, I have criticism. I think that they're	16	A. That's where they start, yes.
17	not sufficiently evaluating all the data and evidence	17	Q. The FDA noted, in reviewing this issue,
18	that's here.	18	genital use of talcum powder and ovarian cancer, that
19	Q. Does the FDA have qualified scientists and	19	"selection bias and/or uncontrolled confounding result
20	medical professionals that look at various issues,	20	in spurious positive associations"
21	including talcum powder?	21	A. I'm sorry. Can you just take me to where you
22	MS. O'DELL: Object to the form.	22	are on page 4?
23	THE WITNESS: They probably have	23	Q. Sure. Let's look if we're on page 4,
24	qualified people that sometimes make mistakes or	24	right above the findings or conclusion, it says
25	sometimes have biases of their own.	25	(as read):
	Page 115		Page 117
1	Page 115 BY MR. ZELLERS:	1	Page 117 "After consideration of the"
1 2		1 2	
	BY MR. ZELLERS:		"After consideration of the"
2	BY MR. ZELLERS: Q. But do you agree that, on scientific issues,	2	"After consideration of the" A. My page 4 doesn't have findings and
2	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today,	2 3	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"?
2 3 4	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum	2 3 4	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page
2 3 4 5	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a	2 3 4 5	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)?
2 3 4 5 6	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and	2 3 4 5 6	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology
2 3 4 5 6 7	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views?	2 3 4 5 6 7	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings"
2 3 4 5 6 7 8	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read):
2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS:	2 3 4 5 6 7 8	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it
2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA.	2 3 4 5 6 7 8 9 10 11	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in
2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at	2 3 4 5 6 7 8 9 10 11 12	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions,
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4?	2 3 4 5 6 7 8 9 10 11 12 13	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found"
2 3 4 5 6 7 8 9 10 11 12	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19?	2 3 4 5 6 7 8 9 10 11 12	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions,
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am.
2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read):
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of Deposition Exhibit 19.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially contribute to ovarian cancer,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of Deposition Exhibit 19. THE WITNESS: Ms. O'Dell, may I have	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially contribute to ovarian cancer, including selection bias and/or
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of Deposition Exhibit 19. THE WITNESS: Ms. O'Dell, may I have I have some notes on this letter.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially contribute to ovarian cancer, including selection bias and/or uncontrolled confounding that
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of Deposition Exhibit 19. THE WITNESS: Ms. O'Dell, may I have I have some notes on this letter. MS. O'DELL: Is it in your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially contribute to ovarian cancer, including selection bias and/or uncontrolled confounding that result in spurious positive
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. But do you agree that, on scientific issues, including the one that we're here to talk about today, whether or not talcum powder genital use of talcum powder is a risk factor for ovarian cancer, that's a topic on which well-qualified scientists and physicians may have differing views? MS. O'DELL: Object to the form. THE WITNESS: They may have differing views, yes. BY MR. ZELLERS: Q. Let's look at this publication from the FDA. Turn to page 4, if you will. And we are looking at Deposition Exhibit 21. Are you at page 4? MS. O'DELL: Are we at 21 or 19? MR. ZELLERS: Oh, I'm sorry. I misspoke. Thank you, Ms. O'Dell. Yes. So let me ask that question again. BY MR. ZELLERS: Q. Turn, if you will, Doctor, to page 4 of Deposition Exhibit 19. THE WITNESS: Ms. O'Dell, may I have I have some notes on this letter.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	"After consideration of the" A. My page 4 doesn't have findings and conclusions. "Epidemiology and etiology findings"? Q. Yes. So we're on the same page A. Above this (indicating)? Q. Underneath "epidemiology and etiology findings" A. Okay. Q if we go to the second paragraph, it states (as read): "After consideration of the scientific literature submitted in support of both citizen petitions, FDA found" Are you with me? A. Yes, I am. Q. All right. No. 2 (as read): "The FDA noted that no single study has considered all the factors that potentially contribute to ovarian cancer, including selection bias and/or uncontrolled confounding that

	Page 118		Page 120
1	ovarian cancer."	1	A. That's with regard in the first part of
2	Did I read that correctly?	2	their sentence to "no single study."
3	A. Yes.	3	Q. Let's look at Conclusion 3.
4	Q. You would agree that there are limitations on	4	"The FDA concludes that results of
5	case-control studies; is that right?	5	case-control studies do not
6	A. Yes, there are.	6	demonstrate a consistent positive
7	Q. There are difficulties in interpreting a	7	association across studies."
8	retrospective case-control study; is that right?	8	Is that right?
9	MS. O'DELL: Object to the form.	9	MS. O'DELL: Objection.
10	THE WITNESS: I'm not sure what you	10	THE WITNESS: That's wrong. You read
11	mean by "difficulties."	11	it right; it's wrong.
12	BY MR. ZELLERS:	12	BY MR. ZELLERS:
13	Q. Well, are there limitations in interpreting a	13	Q. You disagree with the FDA's conclusion; is
14	retrospective case-control study?	14	that right?
15	A. There can be.	15	A. Yes.
16	Q. What are those limitations that you're aware	16	Q. And I'm going to ask you all about that
17	of based upon your experience?	17	today
18	A. Well, it depends upon how the study is	18	A. Okay.
19	designed, in terms of the size of the study, the	19	Q so you'll have to chance to tell me why
20	how the you know, recall issue is always an issue	20	you disagree.
21	when you're dealing with patients retrospectively.	21	Did the FDA also state that, at least based
22	There are similar problems in cohort studies	22	upon its review of the epidemiology and etiology
23	as well.	23	findings, that a dose response strike that that
24	Q. My question is very simple.	24	dose response evidence is lacking?
25	What are you aware of in terms of	25	MS. O'DELL: Object to the form.
	D 110		
	Page 119		Page 121
1		1	
1 2	limitations of retrospective case-control studies?	1 2	Page 121 THE WITNESS: And can you show me where you're reading that?
			THE WITNESS: And can you show me where
2	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked	2	THE WITNESS: And can you show me where you're reading that?
2	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered.	2	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS:
2 3 4	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS:	2 3 4	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the
2 3 4 5	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies.	2 3 4 5	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement.
2 3 4 5 6	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked	2 3 4 5 6	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in
2 3 4 5 6 7	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered.	2 3 4 5 6 7	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose
2 3 4 5 6 7 8	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are	2 3 4 5 6 7 8	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response
2 3 4 5 6 7 8 9	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of	2 3 4 5 6 7 8	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's
2 3 4 5 6 7 8 9	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies.	2 3 4 5 6 7 8 9	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it
2 3 4 5 6 7 8 9 10	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular	2 3 4 5 6 7 8 9 10	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my
2 3 4 5 6 7 8 9 10 11	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat	2 3 4 5 6 7 8 9 10 11	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking?
2 3 4 5 6 7 8 9 10 11 12 13	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is	2 3 4 5 6 7 8 9 10 11 12	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent
2 3 4 5 6 7 8 9 10 11 12 13	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at
2 3 4 5 6 7 8 9 10 11 12 13 14 15	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc
2 3 4 5 6 7 8 9 10 11 12 13 14 15	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which tale might lead to ovarian cancer is lacking."
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which tale might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias. Q. And, at least in this document, the FDA	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to say (as read):
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias. Q. And, at least in this document, the FDA states that "those result in spurious positive	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to say (as read): "Exposure to talc does not account
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	limitations of retrospective case-control studies? MS. O'DELL: Object to the form. Asked and answered. BY MR. ZELLERS: Q. That generally apply to case-control studies. MS. O'DELL: Object to the form. Asked and answered. THE WITNESS: Well, there are limitations in probably there's a variety of limitations, depending upon the particular studies. So I think we would have to get down to a particular study. And I don't hang my weight or hang my hat or put the weight of my opinion on a single study. BY MR. ZELLERS: Q. Well, you would agree that selection bias is a potential concern in case-control studies; correct? A. It can be. Q. And uncontrolled confounding is a potential concern in case-control studies; is that right? A. Yes. But if your controls are well selected, then that negates much of the bias. Q. And, at least in this document, the FDA	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: And can you show me where you're reading that? BY MR. ZELLERS: Q. Sure. Conclusion 3, last part of the statement. A. There is dose response evidence. It's not in every single study, but we are aware of dose response Q. Doctor, my question was, was it the FDA's conclusion, based upon the epidemiology that it reviewed as of 2014, that dose response evidence is lacking? A. That's the FDA's opinion; that's not my opinion. Q. Finally, the FDA found that "a cogent biological mechanism was lacking." And I'm looking at number 4, "A cogent biological mechanism by which talc might lead to ovarian cancer is lacking." Is that the statement of the FDA, at least as of 2014? A. The statement goes on in the same sentence to say (as read):

1	Page 122		Page 124
1	cancer. I can't believe the FDA would even say	1	rejected classification of tale as carcinogenic and
2	something like this.	2	instead assigned it to the classification of possibly
3	Q. Are you able to answer my question without	3	carcinogenic to humans?
4	editorializing?	4	MS. O'DELL: Object to the form.
5	A. I answered your question. I have to finish	5	THE WITNESS: I think that was an IARC
6	the whole sentence that you want me to read.	6	publication in the mid 2000s. And I'm aware of it,
7	Q. Did the FDA state, as of 2014, that "a cogent	7	yes.
8	biological mechanism by which talc might lead to	8	BY MR. ZELLERS:
9	ovarian cancer is lacking"?	9	Q. Are you generally familiar with the IARC
10	MS. O'DELL: Object to the form. Asked	10	categories?
11	and answered.	11	A. Generally, but I'm happy to walk through them
12	THE WITNESS: That's what half of the	12	with you.
13	sentence says. That's what the FDA wrote.	13	Q. Sure. Doctor, I show you Exhibit 20.
14	BY MR. ZELLERS:	14	(Exhibit No. 20 was marked for identification.)
15	Q. All right. IARC, you're certainly familiar	15	BY MR. ZELLERS:
16	with IARC. You brought your whole monograph here with	16	Q. This is a one-page listing of the agents
17	you today; is that right?	17	classified by the IARC monographs, Volumes 1 to 123,
18	A. Yes.	18	and it lists out the different categories that IARC
19	MS. O'DELL: Object to the form. It's	19	classifies agents within.
20	not his monograph; it's not the whole monograph	20	You're generally familiar with
21	it's multiple monographs, as you know. So don't	21	A. Yes.
22	don't be	22	Q with these classifications; is that right?
23	MR. ZELLERS: I haven't gone through it	23	A. Yes, sir.
24 25	page by page, but it looks like it's about a	24	Q. Looking at Exhibit 20, there are 120 agents
25	2-inch-thick monograph that he brought with him today.	25	in Group 1, "carcinogenic to humans"; is that right?
	Page 123		Page 125
1	BY MR. ZELLERS:	1	. ••
	0.15 0.11		A. Yes.
2	Q. My question is, are you familiar with IARC?	2	Q. That's the only category in which IARC finds
2	A. I am.		Q. That's the only category in which IARC finds sufficient evidence in humans; is that right?
	A. I am. Q. All right. IARC has addressed Bradford Hill	2 3 4	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right?A. That's my understanding.
3	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal	2 3 4 5	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right?A. That's my understanding.Q. And there's 82 agents in Group 2A, "probably
3 4 5 6	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in	2 3 4 5 6	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right?A. That's my understanding.Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right?
3 4 5 6 7	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer?	2 3 4 5 6 7	 Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that.
3 4 5 6 7 8	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	 Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about
3 4 5 6 7 8 9	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a	2 3 4 5 6 7 8	 Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable
3 4 5 6 7 8 9	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but	2 3 4 5 6 7 8 9	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right?
3 4 5 6 7 8 9 10	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said?	2 3 4 5 6 7 8 9 10	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form.
3 4 5 6 7 8 9 10 11	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being
3 4 5 6 7 8 9 10 11 12 13	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my	2 3 4 5 6 7 8 9 10 11 12	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their
3 4 5 6 7 8 9 10 11 12 13 14	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question.	2 3 4 5 6 7 8 9 10 11 12 13	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two
3 4 5 6 7 8 9 10 11 12 13 14 15	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what it says.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs and they relate to different substances. So, for your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what it says. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs and they relate to different substances. So, for your specific question, that might be helpful.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what it says. BY MR. ZELLERS: Q. So out of the over a thousand agents that
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I am. Q. All right. IARC has addressed Bradford Hill considerations with respect to talc used in a perineal manner with respect to women is that right? in ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: You're asking me a question, not what the FDA is writing here now but what IARC has said? BY MR. ZELLERS: Q. I'm now on to IARC. So let me ask my question. Based upon your review of the IARC monographs, it has addressed the Bradford Hill considerations; is that right? MS. O'DELL: Object to the form. Are you referring to all the monographs? Are you referring to a certain topic that's because, as you know, there are multiple monographs and they relate to different substances. So, for your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. That's the only category in which IARC finds sufficient evidence in humans; is that right? A. That's my understanding. Q. And there's 82 agents in Group 2A, "probably carcinogenic to humans"; is that right? A. I see that. Q. It appears that IARC isn't shy about declaring something to be either a known or a probable carcinogen; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know about being shy. They have their listing from their BY MR. ZELLERS: Q. Well, they have over 200 agents in those two categories; is that right? A. Yes. Q. There's only one agent in Group 4, "probably not carcinogenic to humans"; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what it says. BY MR. ZELLERS:

	Page 126		Page 128
1	A. Yes.	1	I just have a few general questions.
2	Q. IARC doesn't have a Group 5, "not	2	A. All right. Well, please go ahead.
3	carcinogenic," do they?	3	Q. Well, are you able to tell me, generally,
4	A. Not on this sheet.	4	what association the literature reports between talc
5	Q. With genital talc, IARC has classified	5	use and ovarian cancer?
6	genital talc as a Group 2B category agent; is that	6	A. The literature consistently shows an
7	right?	7	increased risk of developing ovarian cancer in women
8	MS. O'DELL: Object to the form.	8	that are exposed to talcum powder.
9	THE WITNESS: I'm not sure. It's just	9	Q. Generally, it's around a 1.3 odds ratio in
10	genital talc. Isn't the talcum powder of all forms?	10	the case-control studies; is that fair?
11	BY MR. ZELLERS:	11	MS. O'DELL: Object to the form.
12	Q. Talcum powder is a Group 2B agent, "possibly	12	THE WITNESS: I would acknowledge that,
13	carcinogenic to humans"; is that right?	13	yes.
14	A. Yes.	14	BY MR. ZELLERS:
15	Q. That designation is based, according to the	15	Q. All right. Do you also acknowledge that the
16	IARC definitions, on limited evidence in humans; is	16	epidemiologists consider a 1.3 odds ratio in
17	that right?	17	case-control studies to be a weak or modest
18	MS. O'DELL: Object to the form.	18	association?
19	THE WITNESS: I would have to read what	19	MS. O'DELL: Object to the form.
20	is written.	20	THE WITNESS: I'm not sure what they
21	BY MR. ZELLERS:	21	mean by "weak" or "modest."
22	Q. Is it your understanding that, in classifying	22	BY MR. ZELLERS:
23	talcum powder as a Group 2B agent, that IARC cannot	23	Q. Would you categorize it as a weak or modest
24	rule out chance, bias, or confounding with reasonable	24	association?
25	confidence; correct?	25	A. No. I would call it a statistically
	,		
	Page 127		Page 129
1	Page 127 A. I suppose you're reading that from some IARC	1	Page 129 significant observation that impacts the lives of
1 2	A. I suppose you're reading that from some IARC statement that I don't have, but	1 2	significant observation that impacts the lives of thousands of women that I've taken care of over the
	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct?		significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the
2	A. I suppose you're reading that from some IARC statement that I don't have, but	2 3 4	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of
2	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes.	2 3	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of
2 3 4	 A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents 	2 3 4 5 6	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of.
2 3 4 5	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as	2 3 4 5	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as
2 3 4 5 6	 A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents 	2 3 4 5 6	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of.
2 3 4 5 6 7 8	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not.	2 3 4 5 6 7 8	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS:
2 3 4 5 6 7 8 9	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that?	2 3 4 5 6 7 8 9	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an
2 3 4 5 6 7 8 9 10	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No.	2 3 4 5 6 7 8 9 10	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a
2 3 4 5 6 7 8 9 10 11	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery?	2 3 4 5 6 7 8 9 10 11	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association;
2 3 4 5 6 7 8 9 10 11 12	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that	2 3 4 5 6 7 8 9 10 11 12	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right?
2 3 4 5 6 7 8 9 10 11 12 13	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say?	2 3 4 5 6 7 8 9 10 11 12 13	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak"
2 3 4 5 6 7 8 9 10 11 12 13 14	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest."
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on tale and ovarian cancer that states that 1.3 odds
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association? A. I think
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer? A. Well, now we move into looking at	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association? A. I think MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer? A. Well, now we move into looking at epidemiology, in my opinion.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association? A. I think MS. O'DELL: Object to the form. THE WITNESS: it's a statistically
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer? A. Well, now we move into looking at epidemiology, in my opinion. Q. Well, these are just a few general questions.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association? A. I think MS. O'DELL: Object to the form. THE WITNESS: it's a statistically significant association that's been consistently
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I suppose you're reading that from some IARC statement that I don't have, but Q. That's generally your understanding; correct? A. That would be generally my understanding, yes. Q. Are you aware of some of the other agents that have been designated as 2B agents by IARC as possibly carcinogenic? A. I am not. Q. Ginkgo biloba? Are you familiar with that? A. No. Q. Occupational carpentry and joinery? MS. O'DELL: I'm sorry. I missed that last one. What did you say? BY MR. ZELLERS: Q. Occupational carpentry and joinery. A. I was not aware of that. Q. Pickled vegetables? A. I've heard that. Q. All right. What association does the literature report between talc use and ovarian cancer? A. Well, now we move into looking at epidemiology, in my opinion.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	significant observation that impacts the lives of thousands of women that I've taken care of over the years and that, if talcum powder were not on the market and being used in perineal hygiene, for lack of a better word, many other women would not have died of ovarian cancer that I've taken care of. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. You are unaware as to whether or not an epidemiologist would consider a 1.3 odds ratio in a case-control study to be a weak or modest association; is that right? A. I don't understand the definition of "weak" or "modest." Q. You're not an epidemiologist; is that right? A. That's correct. Q. Can you point to any peer-reviewed literature on talc and ovarian cancer that states that 1.3 odds ratio is a strong association? A. I think MS. O'DELL: Object to the form. THE WITNESS: it's a statistically

	Page 130		Page 132
1	BY MR. ZELLERS:	1	MS. O'DELL: Object to the form.
2	Q. I take it that's no to my question. Is that	2	THE WITNESS: I'm not sure that
3	right? And I'll ask it again if you'd like me to.	3	question
4	MS. O'DELL: Object to the form.	4	BY MR. ZELLERS:
5	I think he answered your question.	5	Q. I thought it was a good question. I can try
6	THE WITNESS: I'm not aware that it's a	6	to do it again, but, did you not understand that
7	strong association or a weak association. It's a	7	question?
8	statistically significant association.	8	A. I think what you're trying to get at is does
9	BY MR. ZELLERS:	9	talcum powder have equal carcinogenic effect resulting
10	Q. You cannot point me to any peer-reviewed	10	in different types of epithelial ovarian cancers?
11	literature on talc and ovarian cancer that states that	11	Q. Yes.
12	1.3 is a strong association; correct?	12	A. Okay. So different types of epithelial
13	MS. O'DELL: Object to the form. Asked	13	ovarian cancers are separated into several and we
14	and answered.	14	believe there are several different mechanisms that
15	THE WITNESS: That's correct.	15	cause them. So in the past, they've been lumped into
16	BY MR. ZELLERS:	16	epithelial ovarian cancers; but, in fact, the biology
17	Q. IARC does not refer to this as a strong	17	of mucinous tumors cancers are different than
18	association; correct?	18	serous cancers.
19	A. I'm not familiar with what IARC says.	19	Based on the epidemiologic evidence that
20	Q. FDA does not refer to this as a strong	20	I've seen, there is a preponderance of impact on women
21	association; correct?	21	that have serous carcinomas of the ovary, which is the
22	A. I'm not aware.	22	most common ovarian cancer; and because it is the most
23	Q. The National Cancer Institute does not refer	23	common, it's more likely we're going to see a
24	to this as a strong association; correct?	24	statistical association as opposed to a rarer cancer
25	A. I'm not aware what they said about strong or	25	like a mucinous cancer.
	Page 131		Page 133
1		1	
1 2	weak.	1 2	So that is my answer to your question.
2	weak. Q. Do your opinions on causation and strength of	2	So that is my answer to your question. Q. Do your opinions as to talcum powder used in
	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian	2	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a
2 3	weak. Q. Do your opinions on causation and strength of	2	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply
2 3 4	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No.	2 3 4	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a
2 3 4 5	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer?	2 3 4 5	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer?
2 3 4 5 6	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer?	2 3 4 5 6	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous.
2 3 4 5 6 7	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian	2 3 4 5 6 7	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for
2 3 4 5 6 7 8	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer?	2 3 4 5 6 7 8	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid?
2 3 4 5 6 7 8	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial	2 3 4 5 6 7 8	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested
2 3 4 5 6 7 8 9	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex	2 3 4 5 6 7 8 9	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder.
2 3 4 5 6 7 8 9 10	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated	2 3 4 5 6 7 8 9 10	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker?
2 3 4 5 6 7 8 9 10 11	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare	2 3 4 5 6 7 8 9 10 11	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker?
2 3 4 5 6 7 8 9 10 11 12	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to	2 3 4 5 6 7 8 9 10 11 12	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous.
2 3 4 5 6 7 8 9 10 11 12 13	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue.	2 3 4 5 6 7 8 9 10 11 12 13	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer? A. Reading the literature, it appears that there	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is a very rare cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer? A. Reading the literature, it appears that there is some variation in terms of impact that talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is a very rare cancer. Q. On page 8 of your report, you say that (as read): "The strength of association
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer? A. Reading the literature, it appears that there is some variation in terms of impact that talcum powder might have on some forms of ovarian cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is a very rare cancer. Q. On page 8 of your report, you say that (as read): "The strength of association between talcum powder and ovarian
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer? A. Reading the literature, it appears that there is some variation in terms of impact that talcum powder might have on some forms of ovarian cancer. Q. Tell us what your opinions with the different	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is a very rare cancer. Q. On page 8 of your report, you say that (as read): "The strength of association between talcum powder and ovarian cancer is critically important
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer? A. Reading the literature, it appears that there is some variation in terms of impact that talcum powder might have on some forms of ovarian cancer. Q. Tell us what your opinions with the different subtypes of epithelial ovarian cancer and whether or	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is a very rare cancer. Q. On page 8 of your report, you say that (as read): "The strength of association between talcum powder and ovarian cancer is critically important because of severity and frequency
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer? A. Reading the literature, it appears that there is some variation in terms of impact that talcum powder might have on some forms of ovarian cancer. Q. Tell us what your opinions with the different subtypes of epithelial ovarian cancer and whether or not they are either a risk factor or a causative	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is a very rare cancer. Q. On page 8 of your report, you say that (as read): "The strength of association between talcum powder and ovarian cancer is critically important because of severity and frequency of ovarian cancer."
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	weak. Q. Do your opinions on causation and strength of association apply equally to all forms of ovarian cancer? A. No. Q. Are you able to break down your opinion with respect to ovarian cancer? A. Yeah. So there are three types of ovarian cancer: germ cell, sex cord-stromal, and epithelial ovarian cancers. I have no evidence that sex cord-stromal tumors or germ cell tumors are associated with the use of talcum powder, although they are rare cancers, so it would take much larger populations to really fully investigate that issue. Q. Do you strike that. Does your opinion on strength of association and causation apply equally to all forms of epithelial ovarian cancer? A. Reading the literature, it appears that there is some variation in terms of impact that talcum powder might have on some forms of ovarian cancer. Q. Tell us what your opinions with the different subtypes of epithelial ovarian cancer and whether or	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	So that is my answer to your question. Q. Do your opinions as to talcum powder used in the perineal area being a risk factor and/or a causative factor for serous ovarian cancer also apply to mucinous ovarian cancer? A. I think the association is weaker for mucinous. Q. How about for endometrioid? A. I think some studies have suggested endometrioid is increased risk with talcum powder. Q. Is it weaker? A. Is it weaker? Q. Than serous. A. Than serous? I'm not certain of that. Q. Clear cell, is it weaker than serous? A. I'm not certain of that because clear cell is a very rare cancer. Q. On page 8 of your report, you say that (as read): "The strength of association between talcum powder and ovarian cancer is critically important because of severity and frequency

	Page 134		Page 136
1	A. That's what I say.	1	exhibit copy.
2	Q. Do you believe that ovarian cancer is a	2	A. Sure.
3	frequently occurring disease?	3	Q. We have marked this one as Exhibit 21.
4	A. In my practice it is. It occurs in 22,400	4	(Exhibit No. 21 was marked for identification.)
5	women a year in the United States, and about 14,000 of	5	THE WITNESS: Okay.
6	those women will ultimately die of their cancer.	6	MS. O'DELL: Feel free to look at your
7	Q. What is your support for that?	7	own copy if you'd rather, Doctor.
8	A. My support for that data, the incidence of	8	BY MR. ZELLERS:
9	ovarian cancer?	9	Q. Do you have Exhibit 21?
10	Q. Yes.	10	A. Yes. You gave me two copies. Here, let me
11	A. Well, I may have rounded it off and it may	11	give you one back.
12	not be exact, but the American I mean the American	12	Q. Ah, okay.
13	Cancer Society, the SEER database. Those would be two	13	You have both the exhibit copy I gave you,
14	sources of information that count the annual incidence	14	which is not highlighted, and you have your own
15	of ovarian cancer and the mortality from ovarian	15	personal highlighted copy of the study; is that right?
16	cancer.	16	A. Yes, sir.
17	Q. When you examine a causation, are you more	17	Q. On page 7 of your report, you address this
18	likely to consider a lower association causal if the	18	meta-analysis by Langseth; is that right?
19	disease is severe or frequent?	19	A. I've lost track of my report, but as soon as
20	MS. O'DELL: Object to the form.	20	I get to it here we go.
21	THE WITNESS: Let me read your question	21	Q. Your report is Exhibit 5; is that right?
22	again.	22	A. I have one that's not marked, but go ahead.
23	I'm not sure what you mean by "lower	23	Q. Well, turn to page 7.
24	association."	24	A. Mm-hmm.
25		25	Q. And do you see in your chart you have
	Page 135		Page 137
1	BY MR. ZELLERS:	1	identified Langseth as one of the six articles that
2	Q. You have told us in your report that "the	2	you have pulled out and highlighted in your paper; is
3	strength of association between talcum powder and	3	that right?
4	ovarian cancer is critically important because of the	4	A. Yes.
5	severity and frequency of ovarian cancer."	5	Q. And you list the odds ratio found by Langseth
6	Is that right?	6	and the other authors in that paper to be 1.40; is
7	A. Yes, that's right.	7	that right?
8	Q. My question is, when you examine causation,	8	A. That's correct.
9	are you more likely to consider a lower association	9	Q. Go to Figure 1 on page 359 of the Langseth
10	causal if the disease is severe or frequent?	10	article, Exhibit 21.
11 12	MS. O'DELL: Object to the form.	11 12	Do you have that?
	THE WITNESS: No, it doesn't have		A. Yes.
13	anything to do with my opinion as to what the causation is.	13	Q. And Langseth lists 20 case-control studies;
14 15		14 15	is that right? A. I believe so.
16	BY MR. ZELLERS:	16	Q. Of those 20 studies, only 10 have
17	Q. Langseth, 2008, that is a study that you have reviewed and that you rely upon for your opinions in	17	statistically significant results; is that right?
18	this case; is that right?	18	A. I'm going to have to go through each one, so
19	A. I believe so. It's one of the meta-analyses,	19	give me a moment here.
20	as I recall.	20	I count 11.
21	Q. Are you familiar with the Langseth	21	Q. You count 11 that found a statistical
22	publication?	22	significance?
	•	23	A. Where the confidence interval does not
	A I have read if and I think it's of value		
23	A. I have read it, and I think it's of value,		
	A. I have read it, and I think it's of value, but Q. Take a look at I'm going to hand you the	24 25	overlap 1. Q. Well, we have Cramer; correct?

	Page 138		Page 140
1	A. Yes.	1	what 10 out of 20 we're talking about.
2	Q. Second, Harlow; correct?	2	MS. O'DELL: Sorry, Doctor. Object to
3	A. Yes.	3	the form. Asked and answered.
4	Q. Cramer again; correct?	4	You may answer his question.
5	A. Yes.	5	BY MR. ZELLERS:
6	Q. Purdie; is that right?	6	Q. Generally, if you flip a coin 20 times, are
7	A. Yes.	7	you going to get 10 heads and 10 tails?
8	Q. Chang?	8	MS. O'DELL: Object to the form.
9	A. Yes.	9	THE WITNESS: Statistically, yes.
10	Q. Cook?	10	BY MR. ZELLERS:
11	A. Yes.	11	Q. All right. Is it your opinion that 10 out of
12	Q. Green?	12	20 means there are consistent results across
13	A. Yep.	13	studies
14	Q. Cramer?	14	A. That's where a meta-analysis puts weight onto
15	A. Yep.	15	some studies more than others.
16	Q. Ness?	16	Q. The
17	A. Yes.	17	A and comes up with a conclusion that this
18	Q. Mills?	18	is a statistically significant finding, pooling all of
19	A. Yes.	19	these papers.
20	Q. That's 10. You see another one?	20	Q. Langseth is just looking at the case-control
21	A. Okay. I'm sorry. I counted the pooled odds	21	studies; is that right?
22	ratio population-based studies. So 10. Yes, I agree	22	A. Yes.
23	with you.	23	Q. Langseth concluded and the authors
24	Q. So out of the 20 case-control studies that	24	concluded that causation should be rejected and
25	are cited by Langseth and that you rely on for your	25	that more study is needed; is that right?
	Page 139		Page 141
1	opinions in this matter, only 10 of the 20 have	1	MS. O'DELL: Object to the form.
2	statistically significant results; is that right?	2	THE WITNESS: I'd have to see where
3	A. Yes.	3	that's written.
4	Q. Is this the first time that you've done that	4	BY MR. ZELLERS:
5	exercise, that you've actually looked at the 20	5	Q. Well, look under so same page, underneath
6	studies and determined that only 10 of them have	6	our table, see where it says "Proposal to research
7	statistically significant results?	7	community"?
8	MS. O'DELL: Object to the form.	8	A. Yes.
9	THE WITNESS: No. I didn't go through	9	Q. (As read):
10	every to count let me read your question again.	10	"The current body of experimental
11	I was not aware of the exact count that you	11	and epidemiological evidence is
12	brought to my attention. On the other hand, I think	12	insufficient to establish a causal
13	that this paper results in a statistically significant	13	association between perineal use
14	finding. That's the beauty of a meta-analysis.	14	of talc and ovarian cancer risk."
15	BY MR. ZELLERS:	15	Did I read that correctly?
16	Q. Would you agree that 10 out of 20 is no	16	A. You read that correctly.
17	better than a coin toss?	17	Q. Would you agree that you're drawing
18	MS. O'DELL: Object to the form.	18	conclusions from this study that are broader than the
19	THE WITNESS: You're misusing	19	study authors' own conclusions?
20	epidemiologic data.	20	MS. O'DELL: Object to the form.
21	BY MR. ZELLERS:	21	THE WITNESS: My opinion is not based
22 23	Q. Would you agree that 10 out of 20 is no better than a coin toss?	22 23	on just this study; it's based on all of the studies that I have in my report where there's a consistency
23 24	MS. O'DELL: Object to the form.	23	across all meta-analyses that there's a statistically
25	THE WITNESS: You'll have to tell me	25	increased risk of ovarian cancer in women exposed to
20	THE WITHLESS. Tour have to tell life		increased risk of ovarian earlier in women exposed to

	Page 142		Page 144
1	perineal talc. Those confidence intervals in all of	1	A. That's right.
2	those meta-analyses are statistically significant.	2	Q. You just discuss the case-control studies and
3	MR. ZELLERS: Move to strike as	3	then the meta-analyses; is that right?
4	nonresponsive.	4	A. That's correct.
5	BY MR. ZELLERS	5	MS. O'DELL: Object to the form.
6	Q. Are these at least with the Langseth	6	BY MR. ZELLERS
7	paper, you've gone further than what the authors have	7	Q. The cohort studies do not show a
8	concluded; correct?	8	statistically significant association between talc use
9	MS. O'DELL: Object to the form.	9	and ovarian cancer; is that right?
10	THE WITNESS: I'm developing my opinion	10	A. The cohort studies were not designed to
11	on the totality of the evidence that I have reviewed.	11	answer that question. They're poorly done and I don't
12	BY MR. ZELLERS:	12	think contribute to this discussion.
13	Q. Please answer my question. Just on the	13	Q. Is that a "yes," that the cohort studies do
14	Langseth paper	14	not show a statistically significant association
15	A. My opinion is not based on the Langseth	15	between talc use and ovarian cancer?
16	paper.	16	A. The way they're written and studied and
17	Q. I understand. But with respect to Langseth	17	reported, you're correct.
18	and the opinions that you've drawn from Langseth,	18	Q. Berge 2017, that's a paper you've got in one
19	you've gone further in your conclusions than the	19	of your folders that we went through earlier today.
20	Langseth paper authors; correct?	20	And you're generally familiar with that study; is that
21	A. No, I do not.	21	right?
22	MS. O'DELL: Excuse me.	22	A. Yes.
23	Object to the form. Misstates his	23	Q. In Berge, the authors concluded that
24	testimony.	24	(as read):
25	You may repeat your answer if you'd like.	25	"The positive association between
	Page 143		Page 145
1	THE WITNESS: My conclusions are not	1	talc use and ovarian cancer
2	based on only Langseth. That is a piece of		
_		2	appears to be limited to serous
3	information that I've used in formulating my opinion.	3	appears to be limited to serous histologic type and to
3	information that I've used in formulating my opinion.	3	histologic type and to
3 4	information that I've used in formulating my opinion. BY MR. ZELLERS:	3 4	histologic type and to case-control studies."
3 4 5	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill	3 4 5	histologic type and to case-control studies." Do you agree with that?
3 4 5 6	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right?	3 4 5 6	histologic type and to case-control studies." Do you agree with that? A. Yes.
3 4 5 6 7	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir.	3 4 5 6 7	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding
3 4 5 6 7 8	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the	3 4 5 6 7 8	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think
3 4 5 6 7 8 9	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian	3 4 5 6 7 8	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think
3 4 5 6 7 8 9	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right?	3 4 5 6 7 8 9	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think
3 4 5 6 7 8 9 10	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes.	3 4 5 6 7 8 9 10	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly
3 4 5 6 7 8 9 10 11 12	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these	3 4 5 6 7 8 9 10 11	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many
3 4 5 6 7 8 9 10 11 12 13	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their	3 4 5 6 7 8 9 10 11 12 13 14	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out
3 4 5 6 7 8 9 10 11 12 13	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a	3 4 5 6 7 8 9 10 11 12 13	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many
3 4 5 6 7 8 9 10 11 12 13 14 15	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically	3 4 5 6 7 8 9 10 11 12 13 14	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out
3 4 5 6 7 8 9 10 11 12 13 14 15	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of	3 4 5 6 7 8 9 10 11 12 13 14 15	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian	3 4 5 6 7 8 9 10 11 12 13 14 15 16	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum powder use." Is that right? A. Yes, sir.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct? MS. O'DELL: Object
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	information that I've used in formulating my opinion. BY MR. ZELLERS: Q. Consistency is one of the Bradford Hill factors; is that right? A. Yes, sir. Q. On page 6 of your report, you discuss the epidemiological studies on talcum powder and ovarian cancer; is that right? A. Yes. Q. In the second paragraph, under "Epidemiology," you state (as read): "When looking at these epidemiologic studies and their totality, the data shows a consistent statistically significant increased risk of developing EOC [epithelial ovarian cancer] with perineal talcum powder use." Is that right?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	histologic type and to case-control studies." Do you agree with that? A. Yes. Q. How can you validate completely excluding cohort studies from your discussion? MS. O'DELL: Object to the form. THE WITNESS: Because I don't think they contribute one way or the other. They're poorly designed, poorly executed, and the data that they provide does not inform us at all. And, in fact, these meta-analyses, in many cases, included the cohort studies and still came out with statistically significant increased risk of ovarian cancer. BY MR. ZELLERS: Q. It was appropriate for you to exclude the cohort studies from your discussion; correct? MS. O'DELL: Object THE WITNESS: I did

1	Page 146		Dago 140
			Page 148
1	THE WITNESS: This table back here	1	Q. You're aware that one of the studies
2	that's got all these papers on it, we excluded.	2	another one of the meta-analyses that you cite to,
3	They're not in my discussion. I considered them, and	3	Penninkilampi 2018, excludes the Gates 2010 cohort
4	I didn't think that they contributed to the	4	study; right?
5	information that I needed to present in my report.	5	A. I believe so.
6	BY MR. ZELLERS:	6	Q. How did you make a determination to weigh
7	Q. You state that Penninkilampi shows that the	7	Penninkilampi more heavily than Berge?
8 9	cohort studies support a statistically well, strike	8 9	They're both meta-analyses; correct?
10	that. I want to ask you a few questions about the	10	A. Right. Q. Why did you make a determination to weigh
11	cohort studies.	11	Penninkilampi 2018 and place greater weight on it than
12	Did you review the Gates 2010 cohort study?	12	the Berge study?
13	A. Yes.	13	MS. O'DELL: Object to the form.
14	Q. The Gates 2010 cohort study found that there	14	THE WITNESS: I don't think
15	was not a statistically significant relationship for	15	I necessarily placed greater weight on it. I've told
16	the serous invasive subtype of ovarian cancer; is that	16	you how I weight studies, and they all contribute to
17	right?	17	the totality of my opinion.
18	A. I believe that's true, from my recollection.	18	BY MR. ZELLERS:
19	Q. Berge 2017 shows that the cohort studies do	19	Q. Did you well, strike that.
20	not support a statistically significant relationship	20	Isn't it a problem that Penninkilampi 2018
21	between perineal talc use and ovarian cancer for any	21	does not factor in the data from the Gates 2010 study,
22	subtype; is that right?	22	given that the Gates study tends to negate an
23	MS. O'DELL: Object to the form.	23	association between perineal talc use and ovarian
24	THE WITNESS: This is Berge's analysis	24	cancer?
25	of the cohort studies and Berge's meta-analysis. Is	25	MS. O'DELL: Object to the form.
	of the conort studies and Berge's meta-analysis. Is		Mo. OBELL. Object to the form.
	Page 147		Page 149
1	that the paper you're talking about?	1	THE WITNESS: I can't explain to you
2	BY MR. ZELLERS:	2	what Penninkilampi was thinking or why he chose to
3	Q. Yes. 2017.	3	exclude it.
4	A. I presume, if you're reading it, that's what	4	BY MR. ZELLERS:
5	he says.	5	Q. Did you verify that the data that
6	Q. Well, I'm looking at Berge 2017, page 6, left	6	Penninkilampi reports is accurate?
7	column, at the bottom (as read):	7	A. Have I gone through every single case-control
8	"This positive association appears	8	study and verified every number that's in his tables?
9	to be limited to serous histologic	9	Q. Have you strike that.
10	type and the case-control	10	Penninkilampi purports to report odds
11	studies."	11	ratios, lower limits and upper limits, for the
12	We covered that earlier; correct?	12	individual studies; is that right?
13	A. Yes.	13	A. Yes.
14	MS. O'DELL: What page, please?	14	Q. Did you go back to verify that Penninkilampi
	MR. ZELLERS: Page 6.	15	was correct in his reporting of the results of those
15		16	individual studies?
16	BY MR. ZELLERS:	l .	
16 17	Q. We're in agreement on that; correct, Doctor?	17	A. Yeah, that's the question I was just asking
16 17 18	Q. We're in agreement on that; correct, Doctor?MS. O'DELL: Object to the form. Give	17 18	A. Yeah, that's the question I was just asking you.
16 17 18 19	Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment.	17 18 19	A. Yeah, that's the question I was just asking you.No, I did not go back.
16 17 18 19 20	Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his	17 18 19 20	A. Yeah, that's the question I was just asking you.No, I did not go back.Q. In determining the study is of high quality,
16 17 18 19 20 21	Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract.	17 18 19 20 21	 A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are
16 17 18 19 20 21 22	Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract. BY MR. ZELLERS:	17 18 19 20 21 22	 A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are accurately reporting the odds ratios and the
16 17 18 19 20 21 22 23	Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract. BY MR. ZELLERS: Q. You were aware that Berge 2017 included the	17 18 19 20 21 22 23	A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are accurately reporting the odds ratios and the confidence intervals?
16 17 18 19 20 21 22	Q. We're in agreement on that; correct, Doctor? MS. O'DELL: Object to the form. Give him a moment. THE WITNESS: Yes, he says that in his abstract. BY MR. ZELLERS:	17 18 19 20 21 22	 A. Yeah, that's the question I was just asking you. No, I did not go back. Q. In determining the study is of high quality, would it be important to you that the authors are accurately reporting the odds ratios and the

	Page 150		Page 152
1	process that resulted in this publication.	1	May of 2018, European Journal of Cancer Prevention.
2	BY MR. ZELLERS:	2	BY MR. ZELLERS:
3	Q. If there were errors in reporting of the odds	3	Q. Okay. So let's do this: Doctor, if you
4	ratios or the confidence intervals, would that call	4	don't mind, hand me your copy. We'll mark that as
5	into question the reliability of the study?	5	Deposition Exhibit 23.
6	MS. O'DELL: Object to the form.	6	MR. ZELLERS: For right now, I'm going
7	THE WITNESS: It might.	7	to just put a No. 23. And, Ms. Court Reporter, if, at
8	BY MR. ZELLERS:	8	a break, you can put an official sticker on it.
9	Q. Of the histological subtypes for epithelial	9	MS. O'DELL: I hate to even say this,
10	ovarian cancer, do you consider endometrioid and clear	10	but did we mark 22?
11	cell to be related?	11	MR. ZELLERS: Yes. So Deposition
12	A. No.	12	Exhibit 22 is the Berge 2017 paper.
13	Q. You do not consider endometrioid and clear	13	Deposition Exhibit 23 is the Berge
14	cell ovarian cancer to be related?	14	publication that appeared in the European Journal of
15	A. Only related in they fall into the	15	Cancer Prevention, dated May 2018.
16	classification of epithelial ovarian cancers.	16	(Exhibit Nos. 22 and 23 were marked for
17	Q. Penninkilampi only found a statistically	17	identification.)
18	significant increased risk for serous and endometrioid	18	BY MR. ZELLERS:
19	ovarian cancers; is that right?	19	Q. So I'm going to hand both of these back to
20	A. Okay. Yes.	20	you, Dr. Clarke-Pearson.
21	MS. O'DELL: Let excuse me, Doctor.	21	MR. ZELLERS: I'm going to hand out my
22	If you need to look at the	22	exhibit copies to counsel.
23	BY MR. ZELLERS:	23	Let me also, just so we have it in the
24	Q. You have Penninkilampi in front of you,	24	record, we'll mark as Deposition Exhibit 24 the
25	right, Doctor?	25	Penninkilampi meta-analysis that's referred to in the
	Page 151		
	1430 101		Page 153
1	A. I have.	1	Page 153 doctor's report.
1 2		1 2	
	A. I have.		doctor's report.
2	A. I have.Q. And if you need to take any more time to	2	doctor's report. (Exhibit No. 24 was marked for identification.)
2	A. I have. Q. And if you need to take any more time to answer any of my questions, please do.	2 3	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS:
2 3 4	 A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous 	2 3 4	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it.
2 3 4 5	 A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? 	2 3 4 5	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental
2 3 4 5 6	 A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? 	2 3 4 5 6 7 8	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it.
2 3 4 5 6 7	 A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? 	2 3 4 5 6 7	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer?
2 3 4 5 6 7 8 9	 A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. 	2 3 4 5 6 7 8 9	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous	2 3 4 5 6 7 8 9 10	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes.
2 3 4 5 6 7 8 9 10 11	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell.	2 3 4 5 6 7 8 9 10 11	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our	2 3 4 5 6 7 8 9 10 11 12	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding?
2 3 4 5 6 7 8 9 10 11 12 13	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark	2 3 4 5 6 7 8 9 10 11 12 13	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017.	2 3 4 5 6 7 8 9 10 11 12 13 14	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian Cancer, a Meta-analysis." That's the one that I'm	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told us earlier that you find a stronger association
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian Cancer, a Meta-analysis." That's the one that I'm referring to and I believe the one that the doctor has	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told us earlier that you find a stronger association between perineal talcum powder use and serous ovarian
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I have. Q. And if you need to take any more time to answer any of my questions, please do. A. Okay. Q. Penninkilampi did not find a statistically significant increased risk for clear cell or mucinous ovarian cancer; is that right? A. Can you show me where you're reading it from? Q. Sure. Take a look at the abstract for the results. A. He says he found an increased risk of serous and endometrioid but not mucinous or clear cell. Q. And that's where I was going to. So our record is complete, let's mark well, let's mark both Berge 2017 we'll mark Berge 2017. MS. O'DELL: Mike, I think there's an updated Berge publication, 2018. Do you have the most up to date? MR. ZELLERS: Asking him a question about the Berge publication copyrighted 2017 that appeared in "Genital Use of Talc and Risk of Ovarian Cancer, a Meta-analysis." That's the one that I'm	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	doctor's report. (Exhibit No. 24 was marked for identification.) BY MR. ZELLERS: Q. All right, Doctor. Can I ask you some more questions? A. Let's go for it. Q. Does it make sense that an environmental exposure could increase the risk for endometrioid ovarian cancer but not clear cell ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. How do you explain that finding? A. Well, we've talked about mutations previously, and I'll bring it up again, that different mutations occur that result in different types of cancers. And so the ovarian epithelium being exposed to talcum powder may develop different cancers, depending upon the impact that that talcum powder and its products have on that particular cell. Q. Do you believe and, I think, as you told us earlier that you find a stronger association

	Page 154		Page 156
1	MS. O'DELL: Object to the form.	1	exposure at one point in time and never followed the
2	THE WITNESS: I think serous has the	2	patients subsequent to that to get some idea of
3	strongest association. But in some studies we see,	3	frequency of use, whether the patient continued to use
4	just as you're quoting from the whichever the study	4	the talcum powder so that the real question is ever
5	is that we're looking at, that endometrioid the	5	use. We don't know duration and frequency from these
6	Penninkilampi study so serous and endometrioid is	6	cohort.
7	increased.	7	MR. ZELLERS: Move to strike as
8	BY MR. ZELLERS:	8	nonresponsive.
9	Q. But not clear cell or mucinous; correct?	9	MS. O'DELL: Oppose the motion.
10	A. That's correct in this one study.	10	MR. ZELLERS: And, Counsel,
11	Q. Do you believe that Penninkilampi 2018	11	I understand that anytime I do that, you will oppose
12	provides evidence that there's a biologically	12	it.
13	plausible mechanism by which talc can cause ovarian	13	MS. O'DELL: I just wanted to make it
14	cancer?	14	clear. Didn't want you to think I was asleep over
15	A. I don't recall, and I'm not seeing it as I do	15	here.
16	a quick scan, that he addresses mechanisms of	16	MR. ZELLERS: I'm going to ask my
17	cancer carcinogenesis. I wouldn't expect that in	17	question again.
18	an epidemiologic study.	18	BY MR. ZELLERS:
19	Q. Penninkilampi specifically states that	19	Q. Dr. Clarke-Pearson, all of the cohort studies
20	(as read):	20	were prospective as opposed to retrospective; correct?
21	"A certain causal link between	21	A. They're prospective except for the fact that
22	talc use and ovarian cancer has	22 23	they don't continue to evaluate the ongoing use of
23	not been established."	24	talc in these patients. It was a point in time that
24 25	Correct?	25	the patient was asked whether she did or didn't use talc.
45	MS. O'DELL: Object to the form.	45	taic.
	D 155		
	Page 155		Page 157
1	THE WITNESS: That's what he has	1	Page 157 Q. The cohort studies were not subject to the
1 2		1 2	
	THE WITNESS: That's what he has		Q. The cohort studies were not subject to the
2	THE WITNESS: That's what he has written, and you've read it correctly.	2	Q. The cohort studies were not subject to the same selection bias as retrospective case-control
2 3	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from	2 3	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every
2 3 4	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph.	2 3 4 5 6	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct?
2 3 4 5 6 7	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right.	2 3 4 5 6 7	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes.
2 3 4 5 6	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS:	2 3 4 5 6	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific
2 3 4 5 6 7 8	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last	2 3 4 5 6 7 8	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related
2 3 4 5 6 7 8 9	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side	2 3 4 5 6 7 8 9	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct?
2 3 4 5 6 7 8 9 10	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read):	2 3 4 5 6 7 8 9 10	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between	2 3 4 5 6 7 8 9 10 11	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question
2 3 4 5 6 7 8 9 10 11 12	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has	2 3 4 5 6 7 8 9 10 11 12	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again.
2 3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established."	2 3 4 5 6 7 8 9 10 11 12 13	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able
2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating).	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right? A. Not by recall bias, no.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: The issue in these large
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right? A. Not by recall bias, no. Q. All of the cohort studies were prospective as	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: The issue in these large case-control trials is that we have many, many more
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's what he has written, and you've read it correctly. MS. O'DELL: Are you reading at a certain page, Counsel? MR. ZELLERS: Yes. I was reading from page 42, the end of the first paragraph. THE WITNESS: Okay. Right. BY MR. ZELLERS: Q. Did I read that correctly? It's the last statement in the first paragraph in the left-hand side (as read): "A certain causal link between talc use and ovarian cancer has not yet been established." Did I read that correctly? A. I'm sorry. I'm losing track of where you are. Are you up here? Q. Right here (indicating). A. Okay. Yes, you read it correctly. Q. Cohort studies are not affected by recall bias; is that right? A. Not by recall bias, no.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. The cohort studies were not subject to the same selection bias as retrospective case-control studies; is that right? A. That's true. Q. Recall bias is a concern in every retrospective study; correct? A. Yes. Q. Recall bias can distort a scientific evaluation of whether an exposure is actually related to a disease; correct? MS. O'DELL: Object to the form. THE WITNESS: Let me read your question again. Recall bias has that risk of not being able to analyze the data. BY MR. ZELLERS: Q. For example, recall bias could distort results if women with ovarian cancer were more likely to remember their exposure to talc than women without ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: The issue in these large

	Page 158		Page 160
1	worked out in most cases, and there is a consistency	1	case; is that right?
2	across all of these studies.	2	A. Yes.
3	BY MR. ZELLERS:	3	Q. Schildkraut 2016 looked at, among other
4	Q. I'm going to ask you about consistency. I'm	4	things, what impact, if any, lawsuit filings in 2014
5	going to ask you about confounding factors. But, for	5	had had on whether women recalled using talc in the
6	right now, please try to answer my question.	6	past; is that right?
7	Recall bias could distort results if women	7	A. I think she tried to evaluate that, yes.
8	with ovarian cancer were more likely to remember their	8	Q. The authors thought that the publicity from
9	exposure to talc than women without ovarian cancer;	9	the lawsuits might influence the participants' recall
10	correct?	10	of prior body powder use; is that right?
11	A. Yes, that could distort the results.	11	A. Yes.
12	Q. Recall bias could explain the fact that some	12	Q. If we go to page 4 of Exhibit 25
13	retrospective case-control studies have found a	13	A. Page 1414, Table 2?
14	statistically significant relationship between talcum	14	Q. Yeah. Page 1414, Table 2, the second column
15	powder and ovarian cancer but the cohort studies have	15	shows the number of cases. That's women with ovarian
16	not; correct?	16	cancer; is that right?
17	MS. O'DELL: Object to the form.	17	A. Yes.
18	THE WITNESS: (As read):	18	Q. The third column shows the controls. Those
19	"Recall bias could explain the	19	are the women who do not have ovarian cancer; is that
20	fact that some retrospective	20	right?
21	case-control studies have found a	21	A. That's correct.
22	statistically significant	22	Q. Looking at this data, before 2014, before the
23	relationship between talcum powder	23	lawsuits, the percentage of controls meaning women
24	and ovarian cancer?"	24	without ovarian cancer who said they used talc on
25	Yes, that's true.	25	their genitals was 34 percent; is that right?
	Page 159		Page 161
1	And then you go on to say "but the cohort	1	A. That's not in this table, I don't think, is
2	studies have not."	2	it?
3	Have not found a statistically significant	3	Q. Take a look do you see, under "Exposure,"
4	relationship? That's true. The cohort studies	4	"Body powder use by location"? It's about eight lines
5	haven't found a statistically because the cohort	5	down, "Interview date, less than or earlier than
6	studies have many other confounding and inadequate	6	2014."
7	parts of their evaluation.	7	A. I'm with you, yeah. Okay.
	MD ZELLEDG M		
8	MR. ZELLERS: Move to strike as	8	Q. All right. So the percentage of controls
8 9	MR. ZELLERS: Move to strike as nonresponsive.	8 9	
			Q. All right. So the percentage of controls
9	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016	9	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they
9 10 11 12	nonresponsive. BY MR. ZELLERS:	9	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date
9 10 11 12 13	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right?	9 10 11	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used."
9 10 11 12 13 14	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response?	9 10 11 12 13 14	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use."
9 10 11 12 13 14	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response.	9 10 11 12 13 14 15	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes.
9 10 11 12 13 14 15	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies.	9 10 11 12 13 14 15	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying.
9 10 11 12 13 14 15 16 17	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please,	9 10 11 12 13 14 15 16	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning
9 10 11 12 13 14 15 16 17	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut	9 10 11 12 13 14 15 16 17	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc
9 10 11 12 13 14 15 16 17 18	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you.	9 10 11 12 13 14 15 16 17 18	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was
9 10 11 12 13 14 15 16 17 18 19 20	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.)	9 10 11 12 13 14 15 16 17 18 19 20	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right?
9 10 11 12 13 14 15 16 17 18 19 20 21	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS:	9 10 11 12 13 14 15 16 17 18 19 20 21	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right? A. Right. That's correct.
9 10 11 12 13 14 15 16 17 18 19 20 21 22	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS: Q. Do you have that in front of you?	9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right? A. Right. That's correct. Q. So roughly the same reporting of genital talc
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS: Q. Do you have that in front of you? A. Yes. You just handed it to me.	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right? A. Right. That's correct. Q. So roughly the same reporting of genital talc use between women with and without ovarian cancer
9 10 11 12 13 14 15 16 17 18 19 20 21 22	nonresponsive. BY MR. ZELLERS: Q. You rely on the Schildkraut case-control 2016 study for your opinions about dose response; is that right? A. About what response? Q. About dose response. A. Dose response? That's one of the studies. Q. All right. Take a look, if you will, please, at Deposition Exhibit 25, which is the Schildkraut 2016 study cited and relied upon by you. (Exhibit No. 25 was marked for identification.) BY MR. ZELLERS: Q. Do you have that in front of you?	9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. All right. So the percentage of controls meaning women without ovarian cancer who said they used talc on their genitals was 34 percent; is that right? A. I'm not seeing that. I see "interview date less than 2014, never used." Q. Then you go down to "any genital use." A. Okay. "Any genital use, 34 percent," yes. I see what you're saying. Q. And then the percentage of cases meaning women with ovarian cancer that they said used talc on their genitals who were interviewed before 2014 was 36.5 percent; is that right? A. Right. That's correct. Q. So roughly the same reporting of genital talc

	Page 162		Page 164
1	Q. Now, look at what happened after the lawsuits	1	BY MR. ZELLERS:
2	were filed.	2	Q. At least according to the author, the women,
3	A. I see.	3	after a lawsuit was filed, with ovarian cancer
4	Q. After 2014, what percent of women without	4	remembered using talc much more than the women without
5	ovarian cancer said they used talc on their genitals?	5	ovarian cancer; correct?
6	A. 34.4 percent.	6	A. Yes.
7	Q. So essentially the same as before; is that	7	MS. O'DELL: Object to the form.
8	right?	8	BY MR. ZELLERS:
9	A. Yes.	9	Q. Those findings would be an example of the
10	Q. So, based on this data, the lawsuits had	10	potential effect of recall bias; is that right?
11	essentially no effect on how many of the women without	11	A. Yes.
12	ovarian cancer, the controls, remembered or recalled	12	MS. O'DELL: Object to the form.
13	using baby powder; is that right?	13	BY MR. ZELLERS:
14	A. That seems to be true.	14	Q. What was your methodology for discounting the
15	Q. For women with ovarian cancer, as we	15	effect of recall bias in the population-based
16	discussed, before the lawsuits were filed,	16	case-control studies?
17	36.5 percent of them said they recalled using baby	17	A. My methodology was to rely on a skilled
18	powder; is that right?	18	epidemiologist like Dr. Schildkraut to work her way
19	A. Yes.	19	through all of the data and come up to her
20	Q. But after the lawsuits were filed,	20	conclusions.
21	the percent of women with ovarian cancer who said they	21	Q. Is there a rate of error in such a
22	used baby powder went up to 51.5 percent; is that	22	methodology?
23	right?	23	MS. O'DELL: Object to the form.
24	A. That's correct.	24	THE WITNESS: I'm not sure I know what
25	Q. So after the lawsuits were filed, the percent	25	you mean by "rate of error."
	Page 163		Page 165
1	Page 163 of women with ovarian cancer who said they used baby	1	Page 165 BY MR. ZELLERS:
1 2		1 2	
	of women with ovarian cancer who said they used baby		BY MR. ZELLERS:
2	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right?	2	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much
2	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5.	2	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies?
2 3 4	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That	2 3 4	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases.
2 3 4 5	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase?	2 3 4 5	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the
2 3 4 5 6	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51?	2 3 4 5 6	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control
2 3 4 5 6 7	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes.	2 3 4 5 6 7	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies?
2 3 4 5 6 7 8	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues
2 3 4 5 6 7 8	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase.	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are
2 3 4 5 6 7 8 9	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes.	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of
2 3 4 5 6 7 8 9 10	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that?	2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data.
2 3 4 5 6 7 8 9 10 11	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies.
2 3 4 5 6 7 8 9 10 11 12 13	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit	2 3 4 5 6 7 8 9 10 11 12	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the
2 3 4 5 6 7 8 9 10 11 12 13	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of
2 3 4 5 6 7 8 9 10 11 12 13 14 15	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit	2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I don't know that it	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I don't know that it the hypothesis that Dr. Schildkraut puts out there is	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies. Q. Well, Gates 2010, the Nurses' Health Study,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I don't know that it the hypothesis that Dr. Schildkraut puts out there is that the lawsuit filings may have changed women's	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies. Q. Well, Gates 2010, the Nurses' Health Study, did you review that?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	of women with ovarian cancer who said they used baby powder jumped by over 40 percent; is that right? A. It went from 36.5 to 51.5. Q. That's just over 40 percent; correct? That increase? A. From 36 to 51? Q. Yes. A. You're doing the math, but Q. Well, it's a substantial increase. A. Yes. Q. Would you agree with that? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MR. ZELLERS: Q. All right. So, looking at this data, lawsuit filings affected how many women with ovarian cancer remembered using talc on their genitals but basically had no effect on the memory of women without ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I don't know that it the hypothesis that Dr. Schildkraut puts out there is	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Didn't the cohort studies involve a much greater number of women than the case-control studies? A. More women altogether, but less cancer cases. Q. What was your methodology for weighing the power of the cohort of studies versus the case-control studies? A. My methodology was to look at the issues regarding cohort studies that are at fault, that are defective in their trial design and the reporting of their data. Q. You're speaking about cohort studies in general; is that right? A. Well, three cohort studies. Q. Is that right? But you're talking about the studies in general as opposed to specific aspects of the individual cohort studies? A. We can go through the specifics of these three studies. Q. Well, Gates 2010, the Nurses' Health Study, did you review that? A. Yes.

	Page 166		Page 168
1	Q. It's an analysis of data collected in the	1	age 30; right?
2	Nurses' Health Study; correct?	2	A. That's what we've seen in other studies.
3	A. Yes.	3	Q. So if a study asks women ages 36 to 61 if
4	Q. The analysis included over 100,000 women; is	4	they use talcum powder, it would capture the majority
5	that right?	5	of women who use genital powder during the follow-up
6	A. I believe so.	6	period; correct?
7	Q. The women in the Nurses' Health Study were	7	MS. O'DELL: Objection to form.
8	followed from 1976 to 2006, so for 30 years; is that	8	THE WITNESS: During the follow-up
9	right?	9	period?
10	A. The knowledge in this study by the study	10	BY MR. ZELLERS:
11	the researchers doing the study did not gain any	11	Q. Yes.
12	information about exposure until 1982.	12	A. No. It's a point in time. The question was
13	Q. After following over 100,000 women for three	13	ever used up to 1982.
14	decades, the data did not show a statistically	14	Q. It would capture the majority of women who
15	significant relationship between talcum powder use and	15	use, genital powder use; is that right? In this
16	any type of epithelial ovarian cancer; is that	16	study.
17	correct?	17	MS. O'DELL: Object to the form.
18	MS. O'DELL: Object to the form.	18	THE WITNESS: Up till 1982.
19	THE WITNESS: That's correct, and	19	BY MR. ZELLERS:
20	there's many defects in the design of this study.	20	Q. Houghton, 2014, the Women's Health Initiative
21	For example, the patients were never asked,	21	Study, did you review that study?
22	once again after 1982, whether they used or didn't use	22	A. I did.
23	talc or how frequently they used talc.	23	Q. That study involves over 61,000 women; is
24	BY MR. ZELLERS:	24	that right?
25	Q. Well, let me ask you questions about that.	25	A. And only 429 cases of ovarian cancer.
	Page 167		Page 169
1	The Nurses' Health Study participants were		
		1	O. Houghton 2014 did not find a statistically
2		1 2	Q. Houghton 2014 did not find a statistically significant relationship between perineal talc use and
	between the ages of 30 to 55 at the start of the study		significant relationship between perineal talc use and
2		2	
2	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so.	2	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is
2 3 4	between the ages of 30 to 55 at the start of the study in 1976; is that right?	2 3 4	significant relationship between perineal talc use and ovarian cancer among women who had ever used tale; is that right?
2 3 4 5	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it	2 3 4 5	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to
2 3 4 5 6	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well,	2 3 4 5 6	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify
2 3 4 5 6 7	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here.	2 3 4 5 6 7	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it.
2 3 4 5 6 7 8	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS:	2 3 4 5 6 7 8	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that
2 3 4 5 6 7 8	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you	2 3 4 5 6 7 8	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean
2 3 4 5 6 7 8 9	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you	2 3 4 5 6 7 8 9	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me.
2 3 4 5 6 7 8 9 10	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it.	2 3 4 5 6 7 8 9 10	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay.	2 3 4 5 6 7 8 9 10 11	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years
2 3 4 5 6 7 8 9 10 11 12 13	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study	2 3 4 5 6 7 8 9 10 11 12 13	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right?
2 3 4 5 6 7 8 9 10 11 12 13 14	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the	2 3 4 5 6 7 8 9 10 11 12 13	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014, Table 2.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right? A. Yes. Q. They were asked about their talcum powder use	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014, Table 2. A. Okay. The question again? Table 2?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right? A. Yes. Q. They were asked about their talcum powder use in 1982; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014, Table 2. A. Okay. The question again? Table 2? Q. Yeah. The question is Houghton did not find
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right? A. Yes. Q. They were asked about their talcum powder use in 1982; is that right? A. That's my understanding, yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014, Table 2. A. Okay. The question again? Table 2? Q. Yeah. The question is Houghton did not find a statistically significant relationship between
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right? A. Yes. Q. They were asked about their talcum powder use in 1982; is that right? A. That's my understanding, yes. Q. So they would have been between the ages of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014, Table 2. A. Okay. The question again? Table 2? Q. Yeah. The question is Houghton did not find a statistically significant relationship between perineal talc use and ovarian cancer among women who
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right? A. Yes. Q. They were asked about their talcum powder use in 1982; is that right? A. That's my understanding, yes. Q. So they would have been between the ages of 36 and 61 when they were asked about their talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014, Table 2. A. Okay. The question again? Table 2? Q. Yeah. The question is Houghton did not find a statistically significant relationship between perineal talc use and ovarian cancer among women who had fewer than nine years of perineal talc use; right? A. Yes. That sort of exposure is minimal.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	between the ages of 30 to 55 at the start of the study in 1976; is that right? A. I believe so. MS. O'DELL: If you need to see it THE WITNESS: I don't have well, maybe I do have it here. BY MR. ZELLERS: Q. If you need to take a look at it do you have it in front of you? I can give it to you if you need it. A. Okay. Q. So my question is the Nurses' Health Study participants were between the ages of 30 to 55 at the start of the study in 1976; is that right? A. Yes. Q. They were asked about their talcum powder use in 1982; is that right? A. That's my understanding, yes. Q. So they would have been between the ages of 36 and 61 when they were asked about their talcum powder use; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	significant relationship between perineal talc use and ovarian cancer among women who had ever used talc; is that right? A. Yes. And this study was not powered to identify MS. O'DELL: If you need it. THE WITNESS: the relative risk that we're talking about in the cohort studies I mean the case-control studies. Excuse me. BY MR. ZELLERS: Q. Or among women who had fewer than nine years of perineal talc use; right? A. That's what I believe. Q. I'm looking at page 4, Houghton 2014, Table 2. A. Okay. The question again? Table 2? Q. Yeah. The question is Houghton did not find a statistically significant relationship between perineal talc use and ovarian cancer among women who had fewer than nine years of perineal talc use; right?

	Dago 170		Dago 172
-	Page 170	_	Page 172
1	Q. And the same results for talcum powder on a	1	Q. Sure.
2	sanitary napkins or diaphragms; is that right?	2	A. So he is saying that the cohort studies are
3	A. Yes.	3	not powered to detect 1.25.
4	Q. Isn't it true that, when combined in a	4	Q. What he is saying, I believe, is that the
5	meta-analysis, these cohort studies, the three that	5	cohort studies are powered to detect a relative risk
6	we're talking about, have sufficient power to detect a	6	of 1.25, which was the basis for his conclusion in the
7	relative risk of 1.25?	7	last sentence (as read):
8	A. I'm not aware that that how that	8	"Thus low power of cohort studies
9	calculation was made.	9	cannot be invoked as explanation
10	Q. Did you consider the published power	10	of the heterogeneity of results."
11	calculation by Berge?	11	MS. O'DELL: Object to the form.
12	And so if you look at the Berge 2017 paper,	12	THE WITNESS: I read that with a
13	page 6, second column, first paragraph, Berge and his	13	different understanding.
14	coauthor states (as read):	14	What he's saying is that the ability of the
15	"The statistical power of the	15	cohort study is to detect a relative risk of 1.25 that
16	meta-analysis of these cohort	16	is similar to the results of the meta-analyses
17	studies"	17	case-control studies was only .99.
18	MS. O'DELL: I'm sorry, Mike. Where	18	So those cohort studies aren't powered to
19	are you reading? Page 6?	19	detect 1.25.
20	MR. ZELLERS: Page 6, second column,	20	BY MR. ZELLERS:
21	first paragraph.	21	Q. Does Berge conclude "Thus low power of cohort
22	MS. O'DELL: Thank you.	22	studies cannot be invoked as explanation of the
23	MR. ZELLERS: Sure.	23	heterogeneity of results"?
24	THE WITNESS: Second column. That's	24	A. And I'm not sure what I mean what you mean
25	what this looks like to me (indicating).	25	by what he means by "heterogeneity of results."
	Page 171		Page 173
1	BY MR. ZELLERS:	1	0 7117 11 10
2			Q. Did I read it correctly?
_	Q. Looking at Exhibit 22.	2	The state of the s
3	•		A. Yes, you read it correctly.
	Q. Looking at Exhibit 22.A. I've got 23, which is the more recent paper.Q. Well, take a look at 22, which is the year	2	The state of the s
3	A. I've got 23, which is the more recent paper.Q. Well, take a look at 22, which is the year	2	A. Yes, you read it correctly.Q. All right.You're familiar with the hospital-based
3 4	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm	2 3 4	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right?
3 4 5	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph	2 3 4 5	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies,
3 4 5 6	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column.	2 3 4 5 6	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right?
3 4 5 6 7	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph	2 3 4 5 6 7	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes.
3 4 5 6 7 8	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present	2 3 4 5 6 7 8	 A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a
3 4 5 6 7 8 9	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"?	2 3 4 5 6 7 8	 A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use
3 4 5 6 7 8 9	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes.	2 3 4 5 6 7 8 9	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right?
3 4 5 6 7 8 9 10	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay.	2 3 4 5 6 7 8 9 10	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form.
3 4 5 6 7 8 9 10 11 12	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the	2 3 4 5 6 7 8 9 10 11 12	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back
3 4 5 6 7 8 9 10 11 12	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read):	2 3 4 5 6 7 8 9 10 11	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir.
3 4 5 6 7 8 9 10 11 12 13 14 15	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the	2 3 4 5 6 7 8 9 10 11 12 13 14	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read):	2 3 4 5 6 7 8 9 10 11 12 13	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be invoked as an explanation of the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21. A. I have it.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be invoked as an explanation of the heterogeneity of results."	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21. A. I have it. Q. And if we look at his table on page 359, he
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I've got 23, which is the more recent paper. Q. Well, take a look at 22, which is the year before, 2017. And I'm looking at page 6. And I'm looking at the last part of the first full paragraph in the right-hand column. Are you with me? A. "The important feature of the present meta-analysis"? Q. Yes. A. Okay. Q. And so if we go down about two-thirds of the way, Berge and the authors conclude (as read): "The statistical power of the meta-analysis of these cohort studies to detect a relative risk of 1.25, similar to the result of the meta-analysis of case-control studies, was 0.99. Thus low power of cohort studies cannot be invoked as an explanation of the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes, you read it correctly. Q. All right. You're familiar with the hospital-based case-control studies; is that right? A. They are part of the case-control studies, yes. Q. You agree with me that none of the hospital-based case-control studies show a statistically significant association between talc use and ovarian cancer; is that right? MS. O'DELL: Object to the form. THE WITNESS: I would have to go back to each one of those studies, sir. BY MR. ZELLERS: Q. Well, let's do you have Langseth there? That might be an easy way to A. I do. Q take a look at this. We looked at the Langseth as Deposition Exhibit 21. A. I have it.

	Page 174		Page 176
1	Do you see that?	1	patients to hospitalized patients; is that right?
2	A. Right. Those are in the forest plot, yes.	2	A. Yes.
3	Q. None of the hospital-based case-control	3	Q. Whereas in a population-based study, you're
4	studies show a statistically significant association	4	more likely to be comparing ill people to healthy
5	between talc use and ovarian cancer; correct?	5	people; is that right?
6	A. Yes.	6	MS. O'DELL: Object to the form.
7	Q. The results of the hospital-based	7	THE WITNESS: In a hospital-based
8	case-control studies are not consistent with the	8	study, the people are ill. That's why they're in the
9	results of the population-based case-control studies;	9	hospital.
10	correct?	10	BY MR. ZELLERS:
11	A. That's right. That's why they're combined.	11	Q. And they're compared to other ill people,
12	Q. What methodology did you use to account for	12	other hospitalized patients; is that right?
13	this lack of consistency between the population-based	13	A. Yes.
14	case-control studies and the hospital-based	14	Q. There's a difference in the populations that
15	case-control studies?	15	are being studied between a hospital-based
16	A. This is what the beauty of a meta-analysis	16	case-control study and a population-based case-control
17	is, where it brings together all the studies and comes	17	study; correct?
18	to a conclusion. And the conclusion here is that	18	A. Yes.
19	there's a 1.35 risk of developing ovarian cancer in	19	Q. How did you account for selection bias in
20	women who receive perineal talc.	20	population case-control studies?
21	Q. Which Langseth and the other authors	21	A. I think if there was selection bias and
22	concluded was "insufficient to establish a causal	22	I didn't control for selection bias, but if there was
23	association between perineal use of talc and ovarian	23	selection bias, first of all, it would be usually
24	cancer risk"; correct?	24	negated by the large number of patients in that study.
25	MS. O'DELL: Object to the form.	25	Q. Even among the population-based case
	Page 175		Page 177
1	THE WITNESS: It's statistically	1	controls, some studies have shown statistically
2	significant, which to a clinician means that we could	2	
3	1 1 1 6 1 10 1	_	significant findings and some have not; is that right?
	reduce the risk of ovarian cancer if we eliminated	3	significant findings and some have not; is that right? A. Yes.
4	talcum powder from the patients that are being exposed		
4 5		3	A. Yes.
	talcum powder from the patients that are being exposed	3 4	A. Yes.Q. What is your methodology for weighing the
5	talcum powder from the patients that are being exposed to it.	3 4 5	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across
5 6	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive.	3 4 5 6	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies?
5 6 7	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined.	3 4 5 6 7	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form.
5 6 7 8	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS:	3 4 5 6 7 8	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a
5 6 7 8 9	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection	3 4 5 6 7 8 9	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool.
5 6 7 8 9	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"?	3 4 5 6 7 8 9	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS:
5 6 7 8 9 10	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes.	3 4 5 6 7 8 9 10	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a
5 6 7 8 9 10 11	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean?	3 4 5 6 7 8 9 10 11	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean
5 6 7 8 9 10 11 12	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to	3 4 5 6 7 8 9 10 11 12	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right?
5 6 7 8 9 10 11 12 13 14	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may	3 4 5 6 7 8 9 10 11 12 13	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes.
5 6 7 8 9 10 11 12 13 14	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to	3 4 5 6 7 8 9 10 11 12 13 14 15	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you
5 6 7 8 9 10 11 12 13 14 15	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study.	3 4 5 6 7 8 9 10 11 12 13 14 15	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or
5 6 7 8 9 10 11 12 13 14 15 16 17	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so.
5 6 7 8 9 10 11 12 13 14 15 16 17 18	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m.
5 6 7 8 9 10 11 12 13 14 15 16 17 18	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m.
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I believe	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m. (Recess taken from 12:46 p.m. to 1:45 p.m.)
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	talcum powder from the patients that are being exposed to it. MS. BOCKUS: Object. Nonresponsive. MR. ZELLERS: Joined. BY MR. ZELLERS: Q. Are you familiar with the term "selection bias"? A. Yes. Q. What does "selection bias" mean? A. Means that the selection of the patients in a particular study may be inappropriate, that they may not be the proper controls or the proper candidates to be included in the study. Q. You agree that hospital-based case-control studies may be less susceptible to selection bias than population-based case-control studies; correct? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I believe that.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. What is your methodology for weighing the lack of consistency in statistical significance across case-control studies? MS. O'DELL: Objection to form. THE WITNESS: That's where a meta-analysis becomes a very valuable tool. BY MR. ZELLERS: Q. You agree that, if a study does not show a statistically significant association, it could mean that no risk exists; is that right? A. It's a possibility, yes. MS. O'DELL: Excuse me, Mike. When you get to a we've been going an hour and 45 minutes or so. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 12:46 p.m. (Recess taken from 12:46 p.m. to 1:45 p.m.) THE VIDEOGRAPHER: Back on record at

	Page 178		Page 180
1	you have a table where you state that you reviewed six	1	MS. O'DELL: Object to the form.
2	meta-analyses reported between 1995 and 2018; is that	2	THE WITNESS: To some degree.
3	right?	3	BY MR. ZELLERS:
4	A. Yes. I overlooked adding Berge to this list.	4	Q. A proper meta-analysis or pooled analysis
5	Q. What other studies did you overlook adding to	5	must analyze the sources of heterogeneity across the
6	this list?	6	studies; right?
7	A. Subsequent to my report, there's also a	7	A. Yes.
8	meta-analysis by Taher.	8	Q. And a proper meta-analysis or pooled analysis
9	Q. Any other studies that you omitted from your	9	must examine the methodology that lead to the
10	report and specifically the table on page 7?	10	underlying studies; right?
11	MS. O'DELL: Object to the form.	11	A. Yes. I think that's where the weighting done
12	THE WITNESS: No, not that I'm aware	12	in the meta-analysis helps.
13	of.	13	Q. Did you examine the methodology in the
14	BY MR. ZELLERS:	14	studies underlying these meta-analyses and pooled
15	Q. What's the difference well, strike that.	15	analyses?
16	In your report, page 7, you list out five	16	A. Not in detail.
17	meta-analyses and a pooled analysis; is that right?	17	Q. Do you agree that consistency exists when
18	A. Yes.	18	different studies look at different populations
19	Q. What is the difference between a pooled	19	strike that. Let me ask that question again.
20	analysis and a meta-analysis?	20	Do you agree that consistency exists when
21	A. You know, I really can't give you a good	21	different studies looking at different populations
22	definition of that.	22	reach consistent results?
23	Q. How did you select these five studies to set	23	MS. O'DELL: Object to the form.
24	forth in your report?	24	THE WITNESS: Yes. It seems to be what
25	A. I think these were all of the meta-analyses	25	I would consider consistency.
	Page 179		Page 181
1	Page 179 that I was aware of.	1	Page 181 BY MR. ZELLERS:
1 2	that I was aware of. Q. Did you only review the studies that showed a	1 2	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether
	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between		BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different
2	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer?	2	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct?
2	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between	2	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were
2 3 4	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify.	2 3 4	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis.
2 3 4 5	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the	2 3 4 5	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk
2 3 4 5 6 7 8	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is	2 3 4 5 6	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right?
2 3 4 5 6 7 8	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right?	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in
2 3 4 5 6 7 8 9	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes.	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics.
2 3 4 5 6 7 8 9 10	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the	2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot
2 3 4 5 6 7 8 9 10 11	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled	2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different
2 3 4 5 6 7 8 9 10 11 12	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding;	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question? If there are biases and confounding in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question? If there are biases and confounding in the underlying studies, the meta-analysis or pooled	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation? MS. O'DELL: Object to the form. THE WITNESS: I don't understand what
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question? If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding;	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation? MS. O'DELL: Object to the form. THE WITNESS: I don't understand what you mean by them not being able to demonstrate
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that I was aware of. Q. Did you only review the studies that showed a statistically significant relationship between perineal talc use and ovarian cancer? A. I believe I included all the meta-analyses that I could identify. Q. Meta-analyses and pooled analyses combine the work of other published studies into one study; is that right? A. Yes. Q. If there are biases and confounding in the underlying studies, the meta-analysis or pooled analysis will reflect the biases and confounding; correct? MS. O'DELL: Object to the form. THE WITNESS: It obviously varies from one study to another. I would be very surprised if all studies included in the meta-analysis had the same errors, if you will. BY MR. ZELLERS: Q. Well, can you answer that question? If there are biases and confounding in the underlying studies, the meta-analysis or pooled	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. A meta-analysis does not demonstrate whether similar results were replicated across different populations; correct? A. Yes. It combines all the papers that were considered in the meta-analysis. Q. It combines study results into one risk calculation; is that right? A. After weighting the different studies in terms of the number of patients and the statistics. Q. Therefore, meta-analyses themselves cannot demonstrate consistency of results across different populations; correct? MS. O'DELL: Object to the form. THE WITNESS: They could demonstrate consistency. BY MR. ZELLERS: Q. How could they demonstrate consistency of results across different populations if what they're doing is combining the study results into one risk calculation? MS. O'DELL: Object to the form. THE WITNESS: I don't understand what

	Page 182		Page 184
1	BY MR. ZELLERS:	1	can let the record correct this later if need be.
2	Q. In your report, you claim that Penninkilampi	2	Doctor
3	and every meta-analysis before 2018 report a similar	3	MS. O'DELL: I'll have it in front of
4	increase in the risk of epithelial ovarian cancer with	4	you in one moment, Doctor.
5	the use of talcum powder; is that right?	5	BY MR. ZELLERS:
6	A. Yes.	6	Q. Okay. Dr. Clarke-Pearson, you now have
7	Q. But each of these meta-analyses that you set	7	Langseth 2008 and Cramer 1999 in front of you; is that
8	forth on page 7 of your report use many of the same	8	right?
9	studies as the other meta-analyses; is that right?	9	A. Yes.
10	A. Yes. Over time, new case-control studies	10	Q. Langseth 2008 included all but one of the 14
11	were added to the meta-analyses.	11	studies that were included in Cramer 1999; is that
12	Q. Well, for instance, Langseth 2008 and Graham	12	right?
13	1999 each include all nine of the studies that were	13	A. This is the Cramer case-control study.
14	included in Gross and Berg 1995; is that right?	14	Q. Let me ask you the question this way, Doctor:
15	MS. O'DELL: Object to the form.	15	Do you have any reason to doubt as you sit here or
16	THE WITNESS: I believe	16	dispute as you sit here that Langseth 2008 did not
17	MS. O'DELL: Did you say Graham '99?	17	include all but one of the 14 studies that were
18	MR. ZELLERS: No, I said Cramer '99.	18	included in Cramer 1999?
19	MS. O'DELL: Okay. I thought you said	19	A. I would accept that as the truth.
20	Graham.	20	Q. Thank you. As you sit here, do you have any
21	THE WITNESS: It says Graham on the	21	reason to doubt or dispute that Langseth 2008 included
22	transcription.	22	all but one of the 15 studies that were included in
23	MS. O'DELL: So Cramer is what you're	23	Huncharek 2003?
24	referring to, '99?	24	I understand you don't have the studies in
25	MR. ZELLERS: Yes. I'll ask that	25	front of you to be able to make that
	Page 183		Page 185
1		1	Page 185 MS. O'DELL: Let me just I would
1 2	Page 183 question again if it was unclear. BY MR. ZELLERS:	1 2	
	question again if it was unclear.		MS. O'DELL: Let me just I would
2	question again if it was unclear. BY MR. ZELLERS:	2	MS. O'DELL: Let me just I would just object to the line of questions. If you're going
2	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999	2 3	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the
2 3 4	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were	2 3 4	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare
2 3 4 5	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct?	2 3 4 5	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him,
2 3 4 5 6	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so.	2 3 4 5 6	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel
2 3 4 5 6 7	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14	2 3 4 5 6 7	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish.
2 3 4 5 6 7 8	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct?	2 3 4 5 6 7 8	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the
2 3 4 5 6 7 8 9	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to	2 3 4 5 6 7 8	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses
2 3 4 5 6 7 8 9	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's.	2 3 4 5 6 7 8 9	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you
2 3 4 5 6 7 8 9 10	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves.
2 3 4 5 6 7 8 9 10 11	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of	2 3 4 5 6 7 8 9 10 11	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here
2 3 4 5 6 7 8 9 10 11 12	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data?	2 3 4 5 6 7 8 9 10 11 12 13 14	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit
2 3 4 5 6 7 8 9 10 11 12 13 14	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were included in Huncharek 2003.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from earlier today that you have in front of you; right,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: Well, that's not a fair
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from earlier today that you have in front of you; right, Doctor?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: Well, that's not a fair question when you're not providing him an opportunity
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from earlier today that you have in front of you; right, Doctor? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: Well, that's not a fair question when you're not providing him an opportunity to compare the two.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	question again if it was unclear. BY MR. ZELLERS: Q. For instance, Langseth 2008 and Cramer 1999 each included all nine of the studies that were included in Gross and Berg 1995; correct? A. I believe so. Q. Langseth 2008 included all but one of the 14 studies that were included in Cramer 1999; correct? MS. O'DELL: And if you need to compare THE WITNESS: I need to see the paper. I have Langseth; if I can see Cramer's. BY MR. ZELLERS: Q. Well, did you consider this in terms of analyzing the information and data? A. No. Q. Take a look, then, if you need to, at the Cramer 1999 paper. MS. O'DELL: Just a moment. I'm sorry. BY MR. ZELLERS: Q. We're still just looking at your folders from earlier today that you have in front of you; right, Doctor?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MS. O'DELL: Let me just I would just object to the line of questions. If you're going to ask the specific studies that are listed in the table and ask him to compare MR. ZELLERS: No. What I'm asking him, Counsel MS. O'DELL: Let me finish. It's unfair to ask him to make comparisons regarding the studies included in the meta-analyses without affording him the opportunity to look at the articles themselves. MR. ZELLERS: And, Counsel, as you know, we've got limited time, and I don't want to sit here MS. O'DELL: It's still an unfair question. MR. ZELLERS: It is not an unfair question to ask this witness if he has any reason as he sits here to dispute or to doubt that Langseth 2008 included all but one of the 15 studies that were included in Huncharek 2003. MS. O'DELL: Well, that's not a fair question when you're not providing him an opportunity

	Page 186		Page 188
1	copy of the study, then we'll put it in front of him,	1	Q. Okay.
2	because that's not a fair analysis, particularly when	2	A. I mean, if this is a quiz about memorizing
3	you're talking about multiple more than 10 to 15	3	details of clinical studies, then
4	meta-analyses excuse me cohorts over time.	4	Q. I don't want it to be a quiz. Let me ask you
5	MR. ZELLERS: Counsel, I've asked you a	5	a new question.
6	number of times not to make speaking objections. All	6	If the meta-analyses are all combining the
7	that I am doing is asking the doctor questions about	7	same set of studies, you would expect them to yield
8	the studies included in the six meta-analyses and	8	similar results; correct?
9	pooled analysis that he sets out in a chart.	9	A. If they only contain the same set of studies
10	If he doesn't have the answer, my question	10	but each one had slightly different, and the more
11	is framed as to whether or not he has any reason to	11	recent ones added studies to them.
12	dispute or doubt the overlap of studies.	12	Q. Have you attempted to quantify how much
13	MS. O'DELL: Well, I would just say,	13	talcum powder reaches a woman's ovaries when they use
14	Dr. Clarke-Pearson, to the degree you remember, you	14	a talcum powder product?
15	can answer his questions. But, to the degree he asks	15	A. Have I done some experiment?
16	you to assume something, don't assume that what	16	Q. Yes.
17	counsel is stating is correct because it may or may	17	A. I know that talcum powder gets there; I have
18	not be true.	18	not done any experimentation to that question.
19	MR. ZELLERS: And I'm not asking the	19	Q. Do you have any were you finished?
20	doctor to assume.	20 21	A. Yes.
21 22	MS. O'DELL: Yes, you did. MR. ZELLERS: I did not ask him to	21	MS. BOCKUS: Object as nonresponsive. BY MR. ZELLERS:
23		23	
23 24	assume, Counsel. You can go back and read the question, but it did not ask him to assume that. It	24	Q. Do you have any idea how much talcum powder reaches a woman's ovaries each time she uses it?
25	asked him if he was aware of there being any	25	A. I'm sure it varies depending upon the
23	asked fifth if the was aware of there being any	23	A. Thi sure it varies depending upon the
	Page 187		Page 189
1	difference in terms of Langseth including all but one	1	menstrual cycle, the age of the patient, the patient's
2	of the 15 studies that were included in Huncharek	2	anatomy.
3	2003.	3	Q. It's fair to say you don't know and have not
4	MS. O'DELL: I stand corrected. You	4	done any type of calculation or experiment to
5	said "Do you have any reason to doubt or dispute,"	5	determine the answer to that question; correct?
6	which I took to be	6	
7		١	MS. O'DELL: Object to the form.
,	MR. ZELLERS: "Do you have any reason	7	MS. O'DELL: Object to the form. THE WITNESS: That's correct.
8	to"		THE WITNESS: That's correct. BY MR. ZELLERS:
8 9		7 8 9	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on
8 9 10	to" MS. O'DELL: which I took to be assume.	7 8 9 10	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to?
8 9 10 11	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is	7 8 9 10 11	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking
8 9 10 11 12	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate.	7 8 9 10 11 12	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about?
8 9 10 11 12 13	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS:	7 8 9 10 11 12 13	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response.
8 9 10 11 12 13	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor?	7 8 9 10 11 12 13	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form.
8 9 10 11 12 13 14	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any	7 8 9 10 11 12 13 14	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your
8 9 10 11 12 13 14 15	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite,	7 8 9 10 11 12 13 14 15	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how
8 9 10 11 12 13 14 15 16	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were	7 8 9 10 11 12 13 14 15 16	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to?
8 9 10 11 12 13 14 15 16 17	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite?	7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS:
8 9 10 11 12 13 14 15 16 17 18	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table	7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that.
8 9 10 11 12 13 14 15 16 17 18 19 20	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume	7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered
8 9 10 11 12 13 14 15 16 17 18 19 20 21	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question.
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what Q. That is not a comparison that you have made	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question. Q. Well, I need you to answer the question. The
8 9 10 11 12 13 14 15 16 17 18 19 20 21	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what Q. That is not a comparison that you have made personally; correct?	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question. Q. Well, I need you to answer the question. The answer is a yes to that question; correct?
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	to" MS. O'DELL: which I took to be assume. And I'm asking you to assume that counsel is not being accurate. BY MR. ZELLERS: Q. Can you answer my question, Doctor? And here's my question: Do you have any reason to believe that Langseth 2008, which you cite, included all but one of the 15 studies that were included in Huncharek 2003, which you cite? A. Without reading and going through the table of the 'teen or so studies, I would have to assume that you're representing properly what Q. That is not a comparison that you have made	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Isn't the biological mechanism dependent on how much talc a woman's ovaries are exposed to? A. Which biological mechanism are you talking about? Q. Dose response. MS. O'DELL: Object to the form. THE WITNESS: So, then, rephrasing your question, isn't the dose response dependent upon how much talc a woman's ovaries are exposed to? BY MR. ZELLERS: Q. I'll accept that. A. That sounds like the answer you answered your own question. Q. Well, I need you to answer the question. The

	Page 190		Page 192
1		,	_
1 2	Q. And you've not done a calculation or	1 2	that there is a dose response; is that right? A. Yes.
3	experiment to determine what that amount is; correct? A. That's correct.	3	Q. And, in fact, at least looking at Table 1 of
4	Q. All right.	4	the Cramer study, this does not show a dose response;
5	Let me mark Cramer 2016. We discussed it	5	correct?
6	earlier, but we'll mark it for the record. This is a	6	MS. O'DELL: Object to the form.
7	study that you cite in your materials. We'll mark it	7	THE WITNESS: So, going down that
8	as Exhibit 26.	8	table, there is more of a dose response as we get
9	(Exhibit No. 26 was marked for identification.)	9	under the second half of that table, toward "general
10	BY MR. ZELLERS:	10	tale applications."
11	Q. You recognize this paper; correct?	11	BY MR. ZELLERS:
12	A. I've reviewed it.	12	Q. There is not a consistent dose response;
13	Q. This is a retrospective case-control study	13	correct?
14	published in 2016; correct?	14	A. Not a consistent.
15	A. Yes.	15	Q. Yes. I mean, you get a statistically
16	Q. You discuss this study in your report on	16	significant finding and then a period of time where
17	page 9; is that right?	17	there's not a statistically significant finding and
18	A. Let me turn to page 9.	18	then another period of time where there is a
19	Q. Sure. I'm looking under "Biologic	19	statistically significant finding; is that right?
20	Gradient/Dose-response" right in the middle.	20	MS. O'DELL: Object to the form.
21	You claim that (as read):	21	THE WITNESS: As I read through the
22	"A number of studies have	22	second half of this table, there's a consistent
23	demonstrated an association	23	statistically significant finding beginning after less
24	between 'dose' and the occurrence	24	than 360 applications, equivalent to one year of daily
25	of EOC [or epithelial ovarian	25	use.
	Page 191		Page 193
1	Page 191 cancer] (response)."	1	Page 193 BY MR. ZELLERS:
1 2		1 2	
	cancer] (response)." Is that right? A. That's correct.		BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct?
2	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows.	2	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes.
2	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you	2 3	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with
2 3 4	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition.	2 3 4 5 6	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of
2 3 4 5 6 7	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1?	2 3 4 5 6 7	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right?
2 3 4 5 6 7 8	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir.	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how
2 3 4 5 6 7 8	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose.
2 3 4 5 6 7 8 9	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill
2 3 4 5 6 7 8 9 10	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more	2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right?
2 3 4 5 6 7 8 9 10 11	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right?	2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes.
2 3 4 5 6 7 8 9 10 11 12	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes.	2 3 4 5 6 7 8 9 10 11 12	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not
2 3 4 5 6 7 8 9 10 11 12 13	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of	2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure? A. In general, you would think that. But, on	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer. BY MR. ZELLERS: Q. Do you defer to other experts on the topic of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure? A. In general, you would think that. But, on the other hand, maybe we don't have to have a dose	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer. BY MR. ZELLERS: Q. Do you defer to other experts on the topic of biologic plausibility?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer] (response)." Is that right? A. That's correct. Q. Let's look at what the Cramer study shows. Turn to page 337 of the Cramer paper, if you will, Exhibit 26 to the deposition. Do you see Table 1? A. Yes, sir. Q. Table 1 shows the risk of ovarian cancer for women who use talc daily for different periods of time 1 year, 1 to 5 years, 5 to 20 years, and more than 20 years. Is that right? A. Yes. Q. There was only statistical significance for one to five years of use and for more than 20 years of use; is that right? A. According to the odds ratio and the confidence intervals, yes. Q. If there is a dose response, shouldn't there continue to be statistical significance with increased exposure? A. In general, you would think that. But, on	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Well, when you review, you consider all of the data; correct? A. Yes. Q. The top of the Table 1 is not consistent with the bottom of Table 1, at least in terms of statistically significant findings; is that right? A. The two the two vary, depending upon how you quantitate dose. Q. Another criteria or factor for Bradford Hill is biological plausibility; is that right? A. Yes. Q. The biological mechanisms of cancer are not your area of expertise; is that correct? MS. O'DELL: Object to the form. THE WITNESS: I think, as a gynecologic oncologist, I have a good understanding of the biological mechanisms of cancer. For example, human papillomavirus causes cervical cancer, vaginal cancer, vulvar cancer, anal cancer, oropharyngeal cancer. BY MR. ZELLERS: Q. Do you defer to other experts on the topic of

Page 194 Page 196 1 this disease of ovarian cancer caused by talcum 1 cancer have different biological mechanisms; correct? 2 powder, inflammation is the most likely cause. 2 A. Again, I'm not sure what you mean by 3 3 Q. And do you consider yourself to be an expert "biological mechanism." 4 on the topic of biologic plausibility as it relates to 4 Q. You're not familiar with biological 5 5 talcum powder and ovarian cancer? mechanisms that cause ovarian cancer? 6 6 MS. O'DELL: Objection to form. Asked A. The biological mechanism that I've been 7 and answered. 7 trying to explain to you is gene mutation. 8 THE WITNESS: I think I have a very 8 Q. That's the only biological mechanism that 9 9 good understanding of that, and I'm not sure how you causes ovarian cancer, in your experience; is that 10 10 define an expert. right? 11 11 BY MR. ZELLERS: A. You're talking about what causes ovarian 12 Q. Is all epithelial ovarian cancer caused by 12 cancer, not the mechanism that becomes ovarian cancer 13 the same mechanism? 13 or what ovarian cancer represents. 14 14 A. I don't think so. Q. I'm asking you the mechanism that causes 15 Q. You stated before that there are different 15 ovarian cancer. And you have told me that, with 16 16 mechanisms; is that right? talcum powder, it is gene mutation; is that right? 17 MS. O'DELL: Object to the form. 17 A. I said -- yes. THE WITNESS: As it is for all cancers. 18 Q. What is the biologic mechanism for serous 18 19 ovarian cancer? 19 As it is for all ovarian cancers. 20 A. There could be several biological mechanisms 20 BY MR. ZELLERS: 21 for any of the ovarian cancers. 21 Q. If talc is associated with all subtypes of 2.2 Q. Well, what biologic mechanisms are there, 22 epithelial ovarian cancer or with different subtypes 23 based upon your experience, for serous cancer --23 in different studies, doesn't that suggest that the 24 ovarian cancer? 24 association is by chance? 25 25 A. One of the biologic mechanisms are BRCA1 to 2 MS. O'DELL: Object to the form. Page 195 Page 197 1 mutations. And, as I discussed previously, all 1 THE WITNESS: So no carcinogen is going 2 2 cancers are caused by mutations of genes that regulate to cause cancer in every circumstance in every 3 cell growth and result in invasion and metastases. 3 patient. Some patients may be more susceptible to a 4 4 Q. Any others? carcinogen; others may be more resistant. 5 5 A. Anything else beside gene mutations? Women with BRCA1 mutations don't always 6 Q. Gene mutations, yes, for serous ovarian 6 develop ovarian cancer, but they are at much higher 7 7 risk. It usually causes -- it requires a number of cancer. 8 8 A. There are always gene mutations causing the mutations before a malignancy occurs, not just one. 9 9 cancer. And, therefore, if you're just specifically BY MR. ZELLERS: 10 talking about serous cancers, then gene mutations for 10 Q. You would agree that different studies have 11 all serous cancers occur. They are not normal cells. 11 found different associations between talcum powder use 12 12 Q. Does talcum powder increase all subtypes of and different types of epithelial ovarian cancer; is 13 13 that right? ovarian cancer? MS. O'DELL: Objection. Asked and 14 14 A. The -- yes, and because possibly many of 15 answered. 15 those rare cancers, like mucinous cancers and clear 16 THE WITNESS: I think the epidemiologic 16 cell cancers, are not -- the studies aren't powered to 17 data would suggest that serous cancers are the most 17 identify those. So we don't know, I guess would be my 18 common but endometrioid are there. 18 answer. 19 19 And the other study -- other types of Q. Putting aside inhalation for the moment, your 20 epithelial ovarian cancers -- clear cell and 20 opinion is that talcum powder travels from the 21 mucinous -- are so infrequent -- they're rare cancers. 21 perineal region to the ovaries through the woman's 22 And, therefore, we don't have statistical power to 22 reproductive tract; is that right? 23 23 decide whether they're caused by talc or not. A. Yes, sir. 24 24 BY MR. ZELLERS: Q. So the talcum powder must travel across the 25 25 Q. Different subtypes of epithelial ovarian vulva, through the labia majora, through the labia

	D 100		D 200
	Page 198		Page 200
1	minora, across the and clitoris, across the	1	Q. And my question to you is
2	perineal body, up into the vagina, into the cervical	2	MS. O'DELL: I think he was finished
3	canal, through the cervix and cervical mucosa, or	3	he wasn't finished.
4	mucus, into the endometrial cavity, through the	4	THE WITNESS: I was going to read this
5	uterus, into the fallopian tube opening, across the	5	to you from Langseth. And the sentence says
6	entire length of the fallopian tube to the fimbria,	6	(as read):
7	and then into the ovary; is that right?	7	"The evidence of talc migrating to
8	A. Yes, sir.	8	the ovaries lends credibility to
9	Q. If talcum powder can make this migration, can	9	such a possible association."
10	other substances also make the same migration?	10	BY MR. ZELLERS:
11	A. I presume so.	11	Q. Can you answer my question?
12	Q. Sand from the beach?	12	A. I was reporting to you a study.
13	A. I think the particle size may have some	13	Q. I need you to answer my question if you can.
14	bearing on how far it can get up the reproductive	14	A. Okay.
15	tract.	15	Q. I'll ask it again.
16	Q. Toilet paper particles?	16	Is there any human study that demonstrates
17	MS. O'DELL: Object to the form.	17	the migration of any particulate and let me
18	THE WITNESS: Again, depends upon the	18	withdraw that, because I think I moved on to the next
19	particle size.	19	question.
20	BY MR. ZELLERS:	20	None of the articles that you cite actually
21	Q. There is no human study that demonstrates the	21	looked at whether talc can migrate from the perineal
22	migration of any particulate matter from the perineum	22	application through the fallopian tubes to the
23	to the ovaries; correct?	23	ovaries; correct?
24	MS. O'DELL: Object to the form.	24	MS. O'DELL: Object to the form.
25	THE WITNESS: Number of studies that	25	THE WITNESS: That's correct.
	Page 199		Page 201
1	Page 199 show that once it's in the vagina, it can migrate	1	Page 201 BY MR. ZELLERS:
1 2	_	1 2	
	show that once it's in the vagina, it can migrate		BY MR. ZELLERS:
2	show that once it's in the vagina, it can migrate BY MR. ZELLERS:	2	BY MR. ZELLERS: Q. All right. You also cannot cite any article
2	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is	2 3	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere
2 3 4	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary.	2 3 4	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of
2 3 4 5	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct.	2 3 4 5	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you?
2 3 4 5 6	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the	2 3 4 5 6	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form.
2 3 4 5 6 7	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum	2 3 4 5 6 7	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No.
2 3 4 5 6 7 8	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct?	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS:
2 3 4 5 6 7 8 9	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in
2 3 4 5 6 7 8 9	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration.
2 3 4 5 6 7 8 9 10	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of.	2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me.
2 3 4 5 6 7 8 9 10 11	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry.
2 3 4 5 6 7 8 9 10 11 12	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report	2 3 4 5 6 7 8 9 10 11 12	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital tale application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay.
2 3 4 5 6 7 8 9 10 11 12 13 14	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to	2 3 4 5 6 7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it. MS. O'DELL: Object to form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full paragraph I'm sorry. I've got your exhibit.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it. MS. O'DELL: Object to form. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full paragraph I'm sorry. I've got your exhibit. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it. MS. O'DELL: Object to form. BY MR. ZELLERS: Q. Sperm have tails and motility; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	show that once it's in the vagina, it can migrate BY MR. ZELLERS: Q. There is A to the ovary. Q. But the answer to my question is correct. There are no human studies that demonstrate the migration of any particulate matter from the perineum to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Nobody has studied it that I'm aware of. BY MR. ZELLERS: Q. None of the articles you cite in your report actually looked at whether talc can migrate from perineal application through the fallopian tubes to the ovaries; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, if you go to Langseth, for example, on the second page underneath the forest plot at the end of the second full paragraph I'm sorry. I've got your exhibit. BY MR. ZELLERS: Q. Well, you have the exhibit. I should have a	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. All right. You also cannot cite any article that shows granulomas, fibrosis, or adhesions anywhere up the reproductive tract of a woman as a result of her external genital talc application, can you? MS. O'DELL: Object to the form. THE WITNESS: No. BY MR. ZELLERS: Q. Let's talk about the studies that you cite in your report in support of your theory of migration. MS. O'DELL: Object to excuse me. Sorry. MR. ZELLERS: It's okay. MS. O'DELL: I apologize. BY MR. ZELLERS: Q. In support of your theory of migration, you discuss sperm. I'm looking at page 7, last paragraph that carries over onto page 8. Is that right? A. I have it. MS. O'DELL: Object to form. BY MR. ZELLERS: Q. Sperm have tails and motility; is that right? A. Yes, and that's acknowledged in my report.

2 Q. You cite Egli, 1961, the carbon particle 2 from the way in whi 3 study. Are you familiar with that, or do you need me 4 to hand you another copy? 4 A. Honestly, I d 5 A. I've reviewed it before. It's been a little 5 powder to their periods.	Page 204
2 Q. You cite Egli, 1961, the carbon particle 2 from the way in whi 3 study. Are you familiar with that, or do you need me 4 to hand you another copy? 4 A. Honestly, I d 5 A. I've reviewed it before. It's been a little 5 powder to their periods.	ard is a very is very different
 study. Are you familiar with that, or do you need me to hand you another copy? A. I've reviewed it before. It's been a little powder to their period powder to their period powder to their period 	ich women generally apply talcum
4 to hand you another copy? 4 A. Honestly, I d 5 A. I've reviewed it before. It's been a little 5 powder to their peri	
5 A. I've reviewed it before. It's been a little 5 powder to their peri	on't know how they apply talcum
	neal region. I would imagine
o white.	r head down, but they may be
	standing, they may be lying.
	your experience, it's different;
9 Q. And if you need the study, then I'll be happy 9 correct?	•
10 to have you take a look at it. 10 A. I don't have a	ny experience with talcum
11 Egli did not involve talcum powder; correct? 11 powder application.	
12 A. No. These are carbon particles. 12 Q. Right. So yo	u don't know whether or not most
13 Q. Egli used carbon particles that were 13 women apply talcum	n powder to their perineal region
suspended in a solution that had the consistency of 14 with their head toward	ard the ground and their legs up in
15 seminal fluid; is that right? 15 the air?	
16 MS. O'DELL: If you need to take a 16 MS. O'DE	LL: Object to the form.
	NESS: I think it's unlikely
THE WITNESS: They were suspended in 18 that they have their	heads to the ground and legs in
19 dextran suspension. 19 the air, but they hav	e probably multiple positions
20 BY MR. ZELLERS: 20 they could apply it i	n.
21 Q. Is that seminal fluid, fluid that sperm are 21 BY MR. ZELLERS	
· · · · · · · · · · · · · · · · · · ·	ese artificial conditions, the
	and carbon particles in the
	vo of the three women; is that
25 A. Dextran. 25 right?	
Page 203	Page 205
1 Q. What support do you have for the proposition 1 A. I think that's	what the results said.
	iliar with the Venter 1979 study
3 particles suspended in a dextran fluid-like substance? 3 that you cite?	
4 A. I think it's very similar to talcum powder 4 A. I'll have to p	ull it back out to refresh my
5 particles progressing up. Dextran is a thick, 5 memory. It's been	a few months since I looked at
6 glucose-rich medium that is much like vaginal fluid, 6 that.	
	sk you a few questions about it?
	ver them, I will. Sure.
	dioactive marker study?
10 Q. Talcum powder is a particle; correct? 10 A. Yes.	
11 A. Once talcum powder gets into the vagina, it 11 Q. That study d	id not involve talcum powder; it
	with a radioactive tracer. Is
becomes part of the vaginal fluid. 12 involved a particle	
becomes part of the vaginal fluid. 12 involved a particle Q. The Egli study involved three women; is that 13 that right?	
becomes part of the vaginal fluid. 12 involved a particle 13 Q. The Egli study involved three women; is that 13 that right? 14 right? 12 involved a particle 13 that right? 14 A. Yes. Technology	etium albumin in microspheres.
12 becomes part of the vaginal fluid. 13 Q. The Egli study involved three women; is that 14 right? 15 A. Yes. 15 Q. What support	rt do you have for the proposition
becomes part of the vaginal fluid. 12 involved a particle 13 Q. The Egli study involved three women; is that 14 right? 15 A. Yes. 16 Q. Tiny sample size; correct? 12 involved a particle 13 that right? 14 A. Yes. Technology 15 Q. What support 16 that talcum powder	-
becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? 14 right? 15 A. Yes. 16 Q. Tiny sample size; correct? A. Yes. 17 particle?	rt do you have for the proposition behaves similarly to this kind of
12becomes part of the vaginal fluid.12involved a particle13Q. The Egli study involved three women; is that13that right?14right?14A. Yes. Technology15A. Yes.15Q. What support16Q. Tiny sample size; correct?16that talcum powder17A. Yes.17particle?18Q. They used intramuscular oxytocin to aid the18A. I think that the	rt do you have for the proposition behaves similarly to this kind of alcum powder is similar to
becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? 14 right? 15 A. Yes. Q. They used intramuscular oxytocin to aid the range of the vaginal fluid. 12 involved a particle that right? 13 that right? 14 A. Yes. Technology Q. What support that talcum powder particle? 16 that talcum powder particle? A. I think that the transport of the particles; is that right? 19 these particles. It's	rt do you have for the proposition behaves similarly to this kind of alcum powder is similar to small and can migrate.
becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Technology A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. I think that the transport of the particles; is that right? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. It stimulated the uterus to contract. Description: 12 involved a particle that right? Q. What support of that talcum powder particle? A. I think that the transport of the particles; is that right? Q. In the study	rt do you have for the proposition behaves similarly to this kind of alcum powder is similar to small and can migrate. it involved a small sample size;
becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Thy sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. Q. Thisy sample size; correct? A. Yes. Particle? A. I think that they these particles. It's A. Yes. It stimulated the uterus to contract. Q. And for the administration of the carbon 12 involved a particle that right? A. Yes. Technology that talcum powder that that right?	rt do you have for the proposition behaves similarly to this kind of alcum powder is similar to small and can migrate. it involved a small sample size; men?
becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Q. Thy sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. Q. Think that that they are the particles; is that right? A. I think that they are the particles. It's A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. Q. In the study R. A. Yes. It stimulated the uterus to contract. Q. In the study right? Only 24 word particles, the women were laying on their backs with MS. O'DE	rt do you have for the proposition behaves similarly to this kind of alcum powder is similar to small and can migrate. it involved a small sample size; men? ELL: Object to the form.
becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? 14 right? A. Yes. Technology and the talcum powder particle? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. It stimulated the uterus to contract. Q. In the study right? Only 24 words and the particles, the women were laying on their backs with their heads tilted at a downward angle; is that right? Involved a particle that right? A. Yes. Technology that talcum powder particle? A. I think that the transport of the particles; is that right? Q. In the study right? Only 24 words particles, the women were laying on their backs with their heads tilted at a downward angle; is that right?	rt do you have for the proposition behaves similarly to this kind of alcum powder is similar to small and can migrate. it involved a small sample size; men? ELL: Object to the form.
becomes part of the vaginal fluid. Q. The Egli study involved three women; is that right? A. Yes. Technology. Q. Tiny sample size; correct? A. Yes. Q. What support that talcum powder particle? A. Yes. Q. Tiny sample size; correct? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. Q. They used intramuscular oxytocin to aid the transport of the particles; is that right? A. Yes. Q. In the study A. Yes. It stimulated the uterus to contract. Q. And for the administration of the carbon particles, the women were laying on their backs with their heads tilted at a downward angle; is that right? A. That's what it says.	rt do you have for the proposition behaves similarly to this kind of alcum powder is similar to small and can migrate. it involved a small sample size; men? ELL: Object to the form.

1	- 005		- 000
	Page 206		Page 208
_	buttocks elevated; is that right?	1	A. I did.
2	A. When it was applied, and then the patients	2	Q. That study did not involve talcum powder; it
3	didn't undergo surgery until the next day. So the	3	involved starch. Is that right?
4	patients, after being in the position where the	4	A. Yes.
5	talc where the radioactive tracer was applied, were	5	Q. Sjosten involved the researchers examining
6	then up and about until they came in for surgery the	6	the women's cervix with their fingers; is that right?
7	next day. So they were in different positions.	7	Are you able to answer that question?
8	Q. Is that really what you think, based upon	8	A. I need to read along with you.
9	your review of the study?	9	So they examined they did a pelvic exam,
10	A. You don't think that the patient was laying	10	a bimanual exam on the patients.
11	in bed for 24 hours until she had surgery?	11	Q. Examining the women's cervix with their
12	Q. Doctor, your recollection of this study is	12	fingers; is that correct?
13	that the radioactive tracer marker was used and then	13	A. And examining the vagina.
14	the women were up and around?	14	Q. What is your basis for saying that pressing
15	MS. O'DELL: Object to the form.	15	gloved fingers against the cervix is comparable to an
16	BY MR. ZELLERS:	16	external dusting of talcum powder?
17	Q. In fact, after the radioactive marker was	17	MS. O'DELL: Object to form.
18	administered, the women remained laying in the	18	THE WITNESS: I think it deposits the
19	position with their on their backs with their	19	substance, the powder, against the cervix.
20	buttocks elevated for two hours, with their legs	20	BY MR. ZELLERS:
21	pressed together; is that right?	21	Q. And the study found particles in the
22	A. I would have to find it to refresh my memory.	22	reproductive tract of women who were examined with
23	Q. If that's true, that would be different than	23	powder-free gloves; is that right?
24	your understanding of how women use talcum powder in	24	A. I believe so.
25	the genital area; correct?	25	Q. You cite the Heller study of women's ovaries
	Page 207		Page 209
1	MS. O'DELL: Objection. Misstates the	1	
2		1	after surgical oophorectomy; is that right?
	doctor's testimony.	2	A. Yes.
3	If you need to review	2	A. Yes.Q. Didn't Heller find talc in tissues of all 24
3 4	If you need to review THE WITNESS: Again, I don't think that	2 3 4	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal
3 4 5	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But	2 3 4 5	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc?
3 4 5 6	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they	2 3 4 5 6	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment.
3 4 5 6 7	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive	2 3 4 5 6 7	 A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can
3 4 5 6 7 8	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary.	2 3 4 5 6 7 8	 A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on.
3 4 5 6 7 8 9	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS:	2 3 4 5 6 7 8	 A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that
3 4 5 6 7 8 9	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine	2 3 4 5 6 7 8 9	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients,
3 4 5 6 7 8 9 10	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was	2 3 4 5 6 7 8 9 10	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc?
3 4 5 6 7 8 9 10 11	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together?	2 3 4 5 6 7 8 9 10 11	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form.
3 4 5 6 7 8 9 10 11 12	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes.	2 3 4 5 6 7 8 9 10 11 12	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's
3 4 5 6 7 8 9 10 11 12 13 14	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct?	2 3 4 5 6 7 8 9 10 11 12 13	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias.
3 4 5 6 7 8 9 10 11 12 13 14	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar,
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they reported	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they reported in 24 hours.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what the
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they reported in 24 hours. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what the basis of that observation is. The urethra and anus
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	If you need to review THE WITNESS: Again, I don't think that we know I know how women apply talcum powder. But these women didn't lay supine for 24 hours until they had their surgery, when they found the radioactive microspheres in the ovary. BY MR. ZELLERS: Q. Do you know whether or not they laid supine for two hours after the radioactive marker was administered with their legs pressed together? A. Yes. Q. Yes, you agree with that; correct? A. Yes. Q. And even under these artificial conditions, the researchers only found radioactive activity in the fallopian tubes or ovaries of 9 of the 21 women; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they reported in 24 hours.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q. Didn't Heller find talc in tissues of all 24 patients, including the 12 who did not use perineal talc? A. Give me a moment. Q. Let me try to ask it this way so that we can move on. Do you have any reason to dispute that Heller found talc in tissues of all 24 patients, including the 12 who did not use perineal talc? MS. O'DELL: Object to the form. THE WITNESS: Yes, as long as there's not an issue with recall bias. BY MR. ZELLERS: Q. If talcum powder migrates from the perineal region to the ovaries, shouldn't exposure to talc be far greater in concentration in the rectal, vulvar, vaginal, cervical, and uterine tissues which are closer to the area of initial exposure? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what the

Page 210 Page 212 MS. O'DELL: Object to the form. 1 BY MR. ZELLERS: 1 2 Q. So you -- I just want to make sure I'm clear. 2 THE WITNESS: Because the ovary has a 3 3 You disagree that -- if talcum powder migrates from different epithelium, a different surface. The 4 the perineal region to the ovaries, you disagree that 4 vagina -- I'm sorry -- the vulva, vagina, and 5 5 exposure to talc would be greater in concentration in exocervix are all squamous epithelium. They are much 6 6 the rectal, vulvar, vaginal, cervical, and uterine more susceptible to HPV. So I can turn around the 7 tissues; correct? 7 explanation and say HPV doesn't infect the 8 8 endometrium -- the uterus, fallopian tubes, or MS. O'DELL: Objection. Asked and 9 9 answered. ovaries. So some tissues are more susceptible to a 10 10 THE WITNESS: I'm not understanding carcinogen than others. your question. Would be greater where? 11 11 BY MR. ZELLERS: 12 BY MR. ZELLERS: 12 Q. What study are you referring to for that 13 Q. Would be greater in the rectal, vulvar, 13 proposition? 14 vaginal, cervical, and uterine tissues than in the 14 A. About HPV? 15 15 Q. No. About the tissue being the same -ovaries. 16 16 MS. O'DELL: Objection. Asked and strike that. 17 Tissue being different and not susceptible 17 answered. 18 THE WITNESS: I don't have any evidence 18 to inflammation from talc in the human vulvar, 19 about the rectum or the urethra. And it would be --19 vaginal, cervical, and uterine tissues. 20 yes, more likely than not, there would be more on the 20 MS. O'DELL: Object to the form. 21 vulva than on the ovaries. All of it that goes on the 21 THE WITNESS: They are all different 22 vulva does not land on the ovaries. 22 tissues, and we have not seen any inflammation or 23 BY MR. ZELLERS: 23 cancer associated with talcum powder in those organs. 24 Q. Talc particles should be causing inflammation 24 BY MR. ZELLERS: 25 25 in all those organs and areas if your theory is Q. Is there a study that you're referring to Page 211 Page 213 1 correct; is that right? 1 that finds that there is not inflammation from talc to 2 2 A. No. those tissues? 3 MS. O'DELL: Object to the form. 3 MS. O'DELL: Object to the form. THE WITNESS: I don't have a study, 4 BY MR. ZELLERS: 4 5 Q. Why would you not expect inflammation in the 5 but, obviously, it's not associated with cancers of rectal, vulvar, vaginal, cervical, and uterine 6 6 those tissues. 7 7 BY MR. ZELLERS: tissues? 8 8 MS. O'DELL: Object to the form. Q. There are no studies that show inflammation 9 THE WITNESS: So there's no -- no 9 as a result of genital talc use result in cancer in 10 evidence that this talc gets into the rectum that I'm 10 those areas; is that right? 11 aware of, unless you have some evidence that I'm not 11 MS. O'DELL: Objection to form. 12 12 seeing. THE WITNESS: In what areas now are you 13 13 BY MR. ZELLERS: talking about? 14 Q. Why do talc particles not cause inflammation 14 BY MR. ZELLERS: 15 in the other organs and areas? 15 Q. Let me make it even simpler. 16 A. I think the other organs -- the vagina, 16 There's no studies that show inflammation as 17 cervix, uterus, and fallopian tubes -- are different 17 a result of genital talc use in the vulvar, vaginal, 18 tissues; and different tissues have different 18 cervical, and uterine areas; is that right? 19 19 susceptibility, if you will, to the impact of talcum A. That's correct. 20 powder and its contents. 20 MS. O'DELL: Object to the form. 21 Q. What is it about the tissues of the vulvar, 21 BY MR. ZELLERS: 22 vaginal, cervical, and uterine areas that would result 22 Q. There are no studies that show a link between 23 in talc not causing inflammation to those tissues but 23 external genital talc use and rectal, vulvar, vaginal, 24 causing, at least under your theory, inflammation to 24 cervical, or uterine cancer; is that right? 25 25 the ovary? A. That's correct.

	Page 214		Page 216
1	Q. In Exhibit B of your report, you include a	1	perineal region and travels to the cervix compared to
2	study published by Huncharek in 2007. That's page 11.	2	when it is applied directly to the cervix?
3	Do you recall that study?	3	MS. O'DELL: Object to the form.
4	A. No, but I'd like to refresh my memory.	4	THE WITNESS: I'm not aware of any
5	MS. O'DELL: Which Huncharek?	5	study, no.
6	MR. ZELLERS: 2007.	6	BY MR. ZELLERS:
7	BY MR. ZELLERS:	7	Q. When applied to the perineal region, the
8	Q. Do you have that easily available?	8	talcum powder would also be in close contact with a
9	This is a study that you cite in your	9	woman's urethra; correct?
10	materials reviewed; is that right?	10	A. Yes.
11	A. Yes.	11	Q. Substances are capable of traveling up the
12	Q. It's a meta-analysis of studies and the	12	urethra; right?
13	relationship between ovarian cancer and using	13	A. Not that I know of, except for bacteria.
14	diaphragms that are dusted with talcum powder; is that	14	Q. Women get urinary tract infections when
15	right?	15	bacteria travels up the urethra; right?
16	A. Yes.	16	A. I recognize that as a modal motile, like
17	Q. A diaphragm is inserted directly onto a	17	sperm and bacteria, when I discuss lower genital tract
18	woman's cervix; is that right?	18	migration from the vagina up into the tubes and
19	A. Yes.	19	ovaries with sperm and sexually transmitted infection.
20	Q. You did not include Huncharek 2007 in your	20	So, yes, women get urinary tract infections.
21	list of meta-analyses regarding talc and ovarian	21	Q. Studies do not show an increase in bladder
22	cancer on page 7 of your report, did you?	22	cancer with talcum powder use; is that right?
23	MS. O'DELL: Object to the form.	23	A. That's right. The bladder is a different
24	THE WITNESS: No, because it wasn't	24	epithelium than the ovary.
25	dealing with applying talcum powder to the vulva,	25	Q. And studies do not show an increase in rectal
	Page 215		Page 217
1	Page 215 perineum.	1	Page 217 cancer with talcum powder use; is that right?
2	perineum. BY MR. ZELLERS:	2	cancer with talcum powder use; is that right? A. That's correct.
	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation,	2 3	cancer with talcum powder use; is that right?
2 3 4	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal	2 3 4	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered.
2 3 4 5	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through	2 3 4 5	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS:
2 3 4 5 6	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that	2 3 4 5 6	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a
2 3 4 5 6 7	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right?	2 3 4 5 6 7	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the
2 3 4 5 6 7 8	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes.	2 3 4 5 6 7 8	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that?
2 3 4 5 6 7 8	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data	2 3 4 5 6 7 8	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that
2 3 4 5 6 7 8 9	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and	2 3 4 5 6 7 8 9	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos
2 3 4 5 6 7 8 9 10	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix?	2 3 4 5 6 7 8 9 10	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer.
2 3 4 5 6 7 8 9 10 11	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is
2 3 4 5 6 7 8 9 10 11 12	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the	2 3 4 5 6 7 8 9 10 11 12	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report.
2 3 4 5 6 7 8 9 10 11 12 13	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva.	2 3 4 5 6 7 8 9 10 11 12 13	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms	2 3 4 5 6 7 8 9 10 11 12 13 14	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis.	2 3 4 5 6 7 8 9 10 11 12 13 14	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement? A. My clinical experience of understanding the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel? BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement? A. My clinical experience of understanding the sexual lives of women. They don't use diaphragms	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel? BY MR. ZELLERS: Q. Do you have the Steiling paper in front of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	perineum. BY MR. ZELLERS: Q. Well, your theory, putting aside inhalation, is that the talcum powder travels from the perineal region through the vagina through the cervix through the uterus and then into the fallopian tubes; is that right? A. Yes. Q. How, then, do you validate excluding data about the relationship between ovarian cancer and talcum powder that is applied directly to the cervix? MS. O'DELL: Object to the form. THE WITNESS: Because it's not the volume of talcum powder that is used on the vulva. And, over a period of time, application of diaphragms is most likely much less likely than somebody using talcum powder on the vulva on a daily basis. BY MR. ZELLERS: Q. On what study are you relying for that statement? A. My clinical experience of understanding the sexual lives of women. They don't use diaphragms every day, in most cases.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer with talcum powder use; is that right? A. That's correct. MS. O'DELL: Objection. Asked and answered. BY MR. ZELLERS: Q. Are you opining on inhalation exposure as a plausible mechanism for talcum powder to reach the ovaries, or do you defer to other experts on that? A. I think there's literature that suggests that it's a lower possibility, but inhalation of asbestos can increase the risk of ovarian cancer. Q. Well, you rely in part on Steiling 2018; is that right? This is at page 8 of your report. A. IARC and the Steiling. Q. Right. Steiling 2018 deals generally with cosmetic powders, not talcum powder; correct? A. I need to look at the paper again. Q. Well, either your counsel can hand it to you or I can hand it to you. MR. ZELLERS: Did you find it, Counsel? BY MR. ZELLERS: Q. Do you have the Steiling paper in front of you?

	Page 218		Page 220
1	please, if you don't mind. Thank you.	1	MS. O'DELL: Object to the form.
2	Are you going to mark that, Mike, or are	2	BY MR. ZELLERS:
3	you	3	Q. I'll withdraw the question and move on.
4	MR. ZELLERS: If you want me to mark	4	Do you agree well, strike that.
5	it, I can. I think we all know what it is.	5	You assert that talcum powder, when it
6	MS. O'DELL: I'm just asking.	6	reaches the ovaries, it elicits an inflammatory
7	MR. ZELLERS: Would you like it marked?	7	response that is linked to ovarian cancer; is that
8	MS. O'DELL: Only if you were going to	8	right?
9	mark it, I was just going to put a number on it.	9	A. Yes. I think that's the mechanism by which
10	MR. ZELLERS: Well, I just have a few	10	gene mutation occurs.
11	basic questions.	11	Q. Is it your opinion strike that.
12	BY MR. ZELLERS:	12	Is your opinion related to all of the
13	Q. So, Doctor, my first question is the Steiling	13	different histologic types of epithelial ovarian
14	2018 deals generally with cosmetic powders, not talcum	14	cancer?
15	powder specifically; is that right?	15	MS. O'DELL: Objection. Asked and
16	A. Apparently so, yes.	16	answered.
17	Q. And Steiling 2018 just discusses the fact	17	THE WITNESS: I think an inflammatory
18	that particles can be inhaled; is that right?	18	response happens on the ovarian epithelium, and some
19	A. Yes.	19	ovarian cancers some epithelial ovarian cancers are
20	MS. O'DELL: Object to the form.	20	more common, serous carcinoma being the most common.
21	BY MR. ZELLERS:	21	BY MR. ZELLERS:
22	Q. It says nothing about inhaled particles	22	Q. Is it your opinion that inflammation is a
23	migrating to the ovaries, does it?	23	cause of clear cell and mucinous ovarian cancer? Or
24	A. No.	24	do you not have an opinion?
25	Q. In fact, it says nothing about inhaled	25	A. I don't have an opinion.
			Page 221
1	particles migrating anywhere, does it?	1	Q. You have not done an expert review of the
2	MS. O'DELL: Objection.	2	inflammation evidence yourself, have you?
3	THE WITNESS: It doesn't talk about	3	MS. O'DELL: Object to the form.
4	migration. You're right.	4	THE WITNESS: I'm aware of I've done
5	BY MR. ZELLERS:	5	a review and have been aware of inflammation in
6	Q. And it also says nothing about inhaled	6	gynecologic cancers, especially ovarian cancer, with
7	particles causing ovarian cancer; is that right?	7	elevated serum biomarkers suggesting inflammation and
8	A. In this particular study, although we know	8	also more biologic the laboratory work that
9	from asbestos studies that it does.	9	Dr. Saed and others have done.
10	Q. Well, don't studies of talcum powder use fail	10	BY MR. ZELLERS:
11 12	to show statistically significant association between	11 12	Q. You do know that not all inflammatory
	nongenital use of talcum powder and ovarian cancer? A. I believe so.		conditions lead to cancer; correct?
13		13 14	A. Yes.
14 15	Q. If inhaled talc could migrate to the ovaries, wouldn't you expect to see increased ovarian cancer	15	Q. There's conditions that are inflammatory reactions that all of us may have or that folks may
	wouldn't you expect to see increased ovarian cancer	13	have that don't lead to cancer, such as rheumatoid
15 16		16	
16	risk with nongenital use of talcum powder?	16 17	
16 17	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form.	17	arthritis; is that right?
16 17 18	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled.	17 18	arthritis; is that right? A. That's, best as I understand, rheumatoid
16 17 18 19	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date,	17 18 19	arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis.
16 17 18 19 20	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer.	17 18 19 20	arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right?
16 17 18 19 20 21	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS:	17 18 19 20 21	arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right? A. Yes.
16 17 18 19 20 21	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS: Q. With inhaled talcum powder; correct?	17 18 19 20 21 22	arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right? A. Yes. Q. Those are chronic inflammatory diseases;
16 17 18 19 20 21 22 23	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS: Q. With inhaled talcum powder; correct? A. With inhaled talcum powder.	17 18 19 20 21 22 23	arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right? A. Yes. Q. Those are chronic inflammatory diseases; correct?
16 17 18 19 20 21	risk with nongenital use of talcum powder? MS. O'DELL: Object to the form. THE WITNESS: In other words, inhaled. I think the inhalation is much smaller, but, to date, we haven't seen an increased risk of ovarian cancer. BY MR. ZELLERS: Q. With inhaled talcum powder; correct?	17 18 19 20 21 22	arthritis; is that right? A. That's, best as I understand, rheumatoid arthritis. Q. Same with psoriasis; is that right? A. Yes. Q. Those are chronic inflammatory diseases;

	Page 222		Page 224
1	inflammatory disease of the skin?	1	A. We don't know that information.
2	A. It can have in joints. There can be a	2	Q. Do you consider cornstarch to be a talcum
3	skin component to rheumatoid arthritis. I thought you	3	powder product that causes inflammation?
4	were talking about psoriasis.	4	MS. O'DELL: Object to the form.
5	Q. How does an acute inflammatory response lead	5	THE WITNESS: It's not a talcum powder
6	to cancer?	6	product.
7	A. An acute inflammatory response, I don't	7	BY MR. ZELLERS:
8	believe, leads to cancer.	8	Q. What about a product like Shower to Shower,
9	Q. You have well, strike that.	9	which contains cornstarch and talcum powder?
10	On page 9 of your report, you conclude that	10	A. And your question is?
11	(as read):	11	Q. My question is, is there a certain amount of
12	"Talcum powder products is a	12	talcum powder that a product must contain to cause
13	causative factor in the	13	inflammation?
14	development of epithelial ovarian	14	A. Not that we're aware of.
15	cancer."	15	Q. 1 percent talcum powder, 99 percent
16	Is that right?	16	cornstarch, that could cause inflammation resulting in
17	A. Yes.	17	epithelial ovarian cancer. Is that your testimony?
18	Q. We can change that now based upon your	18	A. I think that's possible.
19	testimony that talcum powder products is a causative	19	Q. What methodology have you arrived strike
20	factor in the development of serous ovarian cancer;	20	that.
21	correct?	21	What methodology have you employed to arrive
22	MS. O'DELL: Object to the form.	22	at the conclusion that the Shower to Shower product
23	THE WITNESS: I think I would stay with	23	causes inflammation?
24	epithelial ovarian cancer till we have more data.	24	A. It has talcum powder in it.
25		25	Q. Your opinion that talcum powder products
	Page 223		Page 225
1	Page 223 BY MR. ZELLERS:	1	Page 225 cause inflammation is not based on the determination
1 2		1 2	
	BY MR. ZELLERS:		cause inflammation is not based on the determination
2	BY MR. ZELLERS: Q. How do you define the term "talcum powder	2	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that
2 3	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"?	2 3	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can
2 3 4	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products	2 3 4	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic
2 3 4 5	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions?	2 3 4 5	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no
2 3 4 5 6	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market	2 3 4 5 6	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient
2 3 4 5 6 7	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it.	2 3 4 5 6 7	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe.
2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc	2 3 4 5 6 7 8 9	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder	2 3 4 5 6 7 8 9 10	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for
2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product?	2 3 4 5 6 7 8 9 10 11	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition?
2 3 4 5 6 7 8 9 10 11 12	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you	2 3 4 5 6 7 8 9 10 11 12 13	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an
2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder.	2 3 4 5 6 7 8 9 10 11 12 13 14	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing sprays in your definition of talcum powder products?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed ovarian cancer, unfortunately.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing sprays in your definition of talcum powder products? THE WITNESS: No. We've been talking	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed ovarian cancer, unfortunately. Q. If inflammation is the issue, why would
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing sprays in your definition of talcum powder products? THE WITNESS: No. We've been talking today, I thought, about Johnson as you defined it	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed ovarian cancer, unfortunately. Q. If inflammation is the issue, why would cornstarch be a superior alternative to talc?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing sprays in your definition of talcum powder products? THE WITNESS: No. We've been talking today, I thought, about Johnson as you defined it to start the day as Johnson & Johnson baby powder and	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed ovarian cancer, unfortunately. Q. If inflammation is the issue, why would cornstarch be a superior alternative to talc? A. Because I don't believe cornstarch causes
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing sprays in your definition of talcum powder products? THE WITNESS: No. We've been talking today, I thought, about Johnson as you defined it to start the day as Johnson & Johnson baby powder and Shower to Shower.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed ovarian cancer, unfortunately. Q. If inflammation is the issue, why would cornstarch be a superior alternative to talc? A. Because I don't believe cornstarch causes chronic inflammation. It's absorbed by the body.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing sprays in your definition of talcum powder products? THE WITNESS: No. We've been talking today, I thought, about Johnson as you defined it to start the day as Johnson & Johnson baby powder and Shower to Shower. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed ovarian cancer, unfortunately. Q. If inflammation is the issue, why would cornstarch be a superior alternative to talc? A. Because I don't believe cornstarch causes chronic inflammation. It's absorbed by the body. Macrophages come in and clear it out. It's not a
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. How do you define the term "talcum powder products"? A. Talcum powder products are Johnson's baby powder and Shower to Shower. Q. Are other consumer talcum powder products included in your conclusions? A. Yes, but Johnson & Johnson has the market share, as I understand it. Q. Do you understand that some of the talc epidemiology separates use by type of talcum powder product? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure what you mean by type of talcum powder. BY MR. ZELLERS: Q. Do you include talc-containing deodorizing sprays in your definition of talcum powder products? THE WITNESS: No. We've been talking today, I thought, about Johnson as you defined it to start the day as Johnson & Johnson baby powder and Shower to Shower.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	cause inflammation is not based on the determination that there is a threshold amount of talcum powder that is required to be in the product before you can conclude that the product will cause chronic inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: I think there's no threshold amount that below which the patient that's exposed to talcum powder is safe. BY MR. ZELLERS: Q. Is there a study that you can cite me to for that proposition? A. No, except that, overall, women that have been exposed to talcum powder in the perineum have an increased risk of ovarian cancer. And we don't know the quantity in each individual patient. So some patients may have had a small amount and developed ovarian cancer, unfortunately. Q. If inflammation is the issue, why would cornstarch be a superior alternative to talc? A. Because I don't believe cornstarch causes chronic inflammation. It's absorbed by the body.

	Page 226		Page 228
1	cornstarch on surgical gloves because of the risk of	1	A. That's about the only thing that I can
2	inflammation, granulomas, fibrosis, adhesions, and	2	determine with my naked eye as to what looks like
3	irritation?	3	inflammation.
4	A. Yes, because that was causing an acute	4	Q. You see that in some patients but not all
5	inflammation, not a chronic inflammation.	5	patients with ovarian cancer; correct?
6	Q. Are you aware, though, that that was the	6	A. That's true. That's not the only thing that
7	reason the FDA banned the use of cornstarch on	7	is related to inflammation.
8	surgical gloves?	8	Q. For your patients with a nonendometrioid
9	A. They were trying to stop adhesion formation	9	ovarian cancer, has microscopic examination of their
10	after surgery.	10	tissues shown evidence of activation of an
11	Q. So you are aware of that; is that right?	11	inflammatory cascade?
12	A. Yes. When I was coming up, we had to wash	12	MS. O'DELL: Object to the form.
13	our gloves before we operated, for that reason.	13	THE WITNESS: I don't think that
14	Q. How many patients with ovarian cancer have	14	pathologists look at that. And I'm not sure exactly
15	you operated on over the course of your career?	15	what you would identify histologically in an
16	A. I would say probably 30 women a year over 40	16	inflammatory cascade. I described to you lymphocytes,
17	years.	17	for example, that represent inflammation.
18	Q. For those patients that had nonendometrioid	18	BY MR. ZELLERS:
19	ovarian cancer, have you seen evidence of inflammation	19	Q. Has it shown evidence of granulomas?
20	when you operated?	20	A. No.
21	MS. O'DELL: Object to the form.	21	MS. O'DELL: Object to the form.
22	THE WITNESS: When I operated,	22	BY MR. ZELLERS:
23	75 percent of these patients have cancer all over	23	Q. Has it shown evidence of foreign body or
24	their abdominal and peritoneal cavity, and identifying	24	giant cell reactions?
25	inflammation visually from the cancer is something a	25	A. Not that I'm aware of.
	, ,		
	Page 227		Page 229
1	surgeon or any doctor can't do.	1	Q. Do you believe that every time a talc
2	surgeon or any doctor can't do. If you look at histologic specimens of the	2	Q. Do you believe that every time a talc particle enters the human body, it produces an
2	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see	2 3	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response?
2 3 4	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in	2 3 4	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response?A. A talc particle? Are we talking about platy
2 3 4 5	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125.	2 3 4 5	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc
2 3 4 5 6	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS:	2 3 4 5 6	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every
2 3 4 5 6 7	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on	2 3 4 5 6 7	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human
2 3 4 5 6 7 8	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do	2 3 4 5 6 7 8	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response?
2 3 4 5 6 7 8	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct?	2 3 4 5 6 7 8	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes.
2 3 4 5 6 7 8 9	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that
2 3 4 5 6 7 8 9 10	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see	2 3 4 5 6 7 8 9 10	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the
2 3 4 5 6 7 8 9 10 11	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry.	2 3 4 5 6 7 8 9 10 11	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right?
2 3 4 5 6 7 8 9 10 11 12	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute	2 3 4 5 6 7 8 9 10 11 12	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there
2 3 4 5 6 7 8 9 10 11 12 13 14 15	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is	2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate on patients with nonendometrioid ovarian cancer, you	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate on patients with nonendometrioid ovarian cancer, you do see evidence of inflammation grossly; is that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show you.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate on patients with nonendometrioid ovarian cancer, you do see evidence of inflammation grossly; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show you. I'm looking at Heller 1996, page 1508, right
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate on patients with nonendometrioid ovarian cancer, you do see evidence of inflammation grossly; is that right? A. Yes, with ascites.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show you. I'm looking at Heller 1996, page 1508, right column, second-to-last paragraph.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	surgeon or any doctor can't do. If you look at histologic specimens of the tumor the cancer, we see inflammation, we see lymphocytes and other inflammatory cells. And, in addition, you see inflammatory biomarkers like CA-125. BY MR. ZELLERS: Q. At least grossly, when you operate on patients with nonendometrioid ovarian cancer, you do not see evidence of inflammation; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, I see MS. O'DELL: I'm sorry. THE WITNESS: probably more acute inflammation. We do see additional increased peritoneal fluid, what's called ascites, which is probably an inflammatory response to the cancer. BY MR. ZELLERS: Q. Do you see adhesions? A. Sometimes. Q. So it's your testimony that, when you operate on patients with nonendometrioid ovarian cancer, you do see evidence of inflammation grossly; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Do you believe that every time a talc particle enters the human body, it produces an inflammatory response? A. A talc particle? Are we talking about platy talc or fibrous talc or what kind of talc Q. Talcum powder. Do you believe that every time a talc particle talcum powder enters the human body, it produces an inflammatory response? A. I think it does on a microscopic basis, yes. Q. You rely on Heller 1996 for the idea that talc can migrate to the ovaries. We talked about the Heller paper; right? A. Yes. Q. And, in fact, didn't Heller find that there was no reaction in the ovaries to the talc particles? A. I'd like to look at that paper again Q. Sure. Take A because we were talking along the lines of what ovarian cancer patients look like and now we're back to Q. I can get it for you or your counsel can show you. I'm looking at Heller 1996, page 1508, right

	Page 230		Page 232
1	MS. O'DELL: Yeah, why don't you do	1	MS. O'DELL: Object to the form.
2	that?	2	THE WITNESS: That's correct.
3	MR. ZELLERS: All right. We'll mark	3	BY MR. ZELLERS:
4	the Heller paper that we discussed previously as	4	Q. In your report, you state (as read):
5	Exhibit 27.	5	"An inflammatory reaction caused
6	(Exhibit No. 27 was marked for identification.)	6	by talcum powder on the tube and
7	BY MR. ZELLERS:	7	surface of the ovary results in
8	Q. Doctor, is this the paper we talked about	8	genetic mutations and
9	previously and that you reviewed and are relying on in	9	carcinogenesis."
10	this case?	10	Is that right?
11	A. Yes.	11	A. Yes.
12	Q. Turn, if you will, to page 1508, the second	12	Q. And you cite on page 9 in your report
13	page. And I'm looking on the right-hand column just	13	well, strike that.
14	two sentences above "Comment" (as read):	14	So what authority supports that statement?
15	"There was no evidence of response	15	A. What was the question again?
16	to talc, such as foreign body	16	Q. Sure. In your report, page 9, under
17	giant cell reactions or fibrosis	17	"Plausibility," second sentence, you state (as read):
18	in the tissue."	18	"An inflammatory reaction caused
19	Did I read that correctly?	19	by talcum powder on the tube and
20	A. Yes.	20 21	surface of the ovary results in genetic mutations and
21	Q. What evidence is there that externally	22	carcinogenesis."
22	applied talcum powder causes chronic inflammation? A. Again, I think we see increased biomarkers.	23	What authority supports that statement?
23 24	A. Again, I think we see increased blomarkers. I think Dr. Saed's research using ovarian cancer cells	24	A. The sequence of events from perineal talc
25	shows the inflammatory response that results in gene	25	exposure to ovarian cancer and the mechanism of
23	shows the inflammatory response that results in gene		exposure to ovarian cancer and the incentanism of
	Page 231		
	rage 231		Page 233
1	mutations.	1	chronic inflammation on that ovary over a period of
2	mutations. Q. Well, we talked a bit ago, you're unaware of	2	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes
2	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally	2 3	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer.
2 3 4	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas,	2 3 4	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you
2 3 4 5	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's	2 3 4 5	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement?
2 3 4 5 6	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right?	2 3 4 5 6	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the
2 3 4 5 6 7	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form.	2 3 4 5 6 7	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer.
2 3 4 5 6 7 8	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing	2 3 4 5 6 7 8	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that
2 3 4 5 6 7 8	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute	2 3 4 5 6 7 8	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder
2 3 4 5 6 7 8 9	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic	2 3 4 5 6 7 8 9	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal tale results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they?
2 3 4 5 6 7 8	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction.	2 3 4 5 6 7 8	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer,
2 3 4 5 6 7 8 9 10	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that.
2 3 4 5 6 7 8 9 10 11	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction.	2 3 4 5 6 7 8 9 10 11	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer,
2 3 4 5 6 7 8 9 10 11 12	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US	2 3 4 5 6 7 8 9 10 11 12	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement,
2 3 4 5 6 7 8 9 10 11 12 13	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a	2 3 4 5 6 7 8 9 10 11 12 13	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on
2 3 4 5 6 7 8 9 10 11 12 13 14	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis	2 3 4 5 6 7 8 9 10 11 12 13 14	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis."
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation. BY MR. ZELLERS: Q. So your testimony is inflammation,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer. Q. Please name the study that you're relying on
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation. BY MR. ZELLERS: Q. So your testimony is inflammation, granulomas, fibrosis, or adhesions are inconsistent	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer. Q. Please name the study that you're relying on for that proposition.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	mutations. Q. Well, we talked a bit ago, you're unaware of any reports or studies in the literature of externally applied talc leading to inflammation, granulomas, fibrosis, or adhesions anywhere along a woman's reproductive tract; is that right? MS. O'DELL: Object to the form. THE WITNESS: So what you're describing with adhesions is a reaction is an acute reaction acute inflammatory reaction, not a chronic reaction. BY MR. ZELLERS: Q. My question is if up to 50 percent of US women have used genital talc, shouldn't this be a common finding, inflammation, granulomas, fibrosis along a woman's reproductive tract? MS. O'DELL: Object to the form. THE WITNESS: Those conditions you're describing are the reaction to an acute inflammation. We're talking about chronic inflammation. BY MR. ZELLERS: Q. So your testimony is inflammation,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	chronic inflammation on that ovary over a period of time results in the gene mutation which then becomes ovarian cancer. Q. On what authority, on what study, are you relying for that statement? A. On the epidemiologic data showing that the use of perineal talc results in ovarian cancer. Q. But those studies don't state and find that it's an inflammatory reaction caused by talcum powder on the tube and the ovary, do they? A. By the time the patient has ovarian cancer, you don't see that. Q. So my question is you've made the statement, "An inflammatory reaction caused by talcum powder on the tube and surface of the ovary results in genetic mutations and carcinogenesis." What study can I go look at, what study can I read, what study are you relying on for that statement? A. What I just described to you. The study is that the patients have ovarian cancer. Q. Please name the study that you're relying on

	Page 234		Page 236
1	between the exposure of talcum powder to women's	1	that inflammation is occurring when Johnson's baby
2	perineum and ovarian cancer.	2	powder is put into culture with a very normal ovarian
3	Q. And it's your testimony that all of those	3	cancer normal ovarian cells.
4	studies discuss the inflammatory reaction as the	4	BY MR. ZELLERS:
5	causal mechanism; is that right?	5	Q. You'd agree that the research regarding
6	MS. O'DELL: Object to the form.	6	whether chronic inflammation can cause ovarian cancer
7	THE WITNESS: Those studies do not	7	is ongoing; is that right?
8	discuss the mechanism in all studies. Some do.	8	A. I think cancer research in general is
9	BY MR. ZELLERS:	9	ongoing.
10	Q. So here's what I want: You're saying here	10	Q. Most of the studies that you cite talking
11	"An inflammatory reaction caused by talcum powder on	11	about chronic inflammation refer to chronic
12	the tube and surface of the ovary results in genetic	12	inflammation as a hypothesis of one of the ways cancer
13	mutations and carcinogenesis."	13	might form in the ovary; is that right?
14	What study are you referring to, are you	14	MS. O'DELL: Object to the form.
15	relying on, for that statement?	15	THE WITNESS: I think it's the most
16	A. That the patient got ovarian cancer. She had	16	likely more likely than not that's the reason that
17	carcinogenesis. She had gene mutations caused by	17	ovarian cancer forms on the ovary.
18	chronic inflammation that led to cancer. And then we	18	BY MR. ZELLERS:
19	operated on the patient and found she had cancer.	19	Q. But it is a hypothesis which scientists and
20	Q. What is the study that says that the	20	medical professionals are studying; is that right?
21	mechanism, the biologic mechanism, was an inflammatory	21	MS. O'DELL: Objection to form.
22	reaction caused by talcum powder on the tube and	22	THE WITNESS: It's being studied, and
23	surface of the ovary?	23	evidence coming out of laboratories is confirming that
24	A. Would you like to turn to laboratory studies?	24	hypothesis that we have in human beings.
25	Q. Is there a study that you're relying on for	25	
	Page 235		Page 237
1	Page 235 that statement?	1	Page 237 BY MR. ZELLERS:
1 2		1 2	_
	that statement?		BY MR. ZELLERS:
2	that statement? A. There's no way somebody could do a study.	2	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of
2 3	that statement? A. There's no way somebody could do a study. Q. All right.	2 3	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic
2 3 4	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to	2 3 4	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it.
2 3 4 5	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody	2 3 4 5	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right?
2 3 4 5 6 7 8	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study.	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this
2 3 4 5 6 7 8 9	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on	2 3 4 5 6 7 8	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition.
2 3 4 5 6 7 8 9	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read):	2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study
2 3 4 5 6 7 8 9 10	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and	2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant
2 3 4 5 6 7 8 9 10 11	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent	2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based
2 3 4 5 6 7 8 9 10 11 12	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of	2 3 4 5 6 7 8 9 10 11 12	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls.
2 3 4 5 6 7 8 9 10 11 12 13 14	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through	2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described	2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt
2 3 4 5 6 7 8 9 10 11 12 13 14 15	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above."	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory? MS. O'DELL: Objection to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got that. And that's "Talcum Powder, Chronic
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory? MS. O'DELL: Objection to the form. THE WITNESS: The inflammation theory	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got that. And that's "Talcum Powder, Chronic Inflammation, NSAIDs in Relation to the Risk of
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory? MS. O'DELL: Objection to the form. THE WITNESS: The inflammation theory is the only plausible theory that I think we have to	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got that. And that's "Talcum Powder, Chronic Inflammation, NSAIDs in Relation to the Risk of Epithelial Ovarian Cancer"?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that statement? A. There's no way somebody could do a study. Q. All right. A. They do serial biopsies of the ovary, watch for those gene mutations, and then watch for cancer to occur, and then say, hey, chronic inflammation led to cancer several years later. I don't know how anybody could do such a study. Q. In your report, you state this is also on page 9, under "Coherence" (as read): "Epidemiologic data, in vitro and in vivo research, are consistent in explaining the pathogenesis of epithelial ovarian cancer through the inflammatory methods described above." Did I read that correctly? A. Yes, sir. Q. How does epidemiological data support your inflammation theory? MS. O'DELL: Objection to the form. THE WITNESS: The inflammation theory	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. You are familiar with a paper published by Merritt in 2008, "Talcum Powder, Chronic Pelvic Inflammation, and NSAIDs in Relation to Risk of Epithelial Ovarian Cancer"; is that right? A. I've seen it. Q. All right. And you cite that in Exhibit B to your report. We've marked that as Exhibit 6 to this deposition. That's an Australian-wide case-control study of around 1500 women with invasive and low malignant potential ovarian tumors and 1500 population-based controls. Does that refresh your recollection? MS. O'DELL: Are you speak of Merritt 2007? MR. ZELLERS: I thought I was speaking of Merritt 2008, which the doctor refers to in his additional materials-considered list on page 17. MS. O'DELL: Let's make sure we've got that. And that's "Talcum Powder, Chronic Inflammation, NSAIDs in Relation to the Risk of

	Page 238		Page 240
1	BY MR. ZELLERS:	1	A. Okay. Without knowing what how we got to
2	Q. And let me try to cut to the chase, Doctor,	2	this discussion, go right ahead.
3	so when you look at it, we can	3	Q. Well, I'm citing your paper or at least one
4	The study concludes that, on balance,	4	of the papers you read and considered.
5	chronic inflammation does not play a major role in the	5	A. I have not read every word of every one of
6	development of ovarian cancer; is that right?	6	these papers. And you can imagine that, and you can
7	A. I would have to reread this study if you're	7	appreciate that.
8	reading from some particular place. I don't recall	8	Q. You've not read the studies that are
9	exactly how this study was even designed or executed.	9	contained in your materials-considered list
10	Q. Take a look and we'll mark this as an	10	MS. O'DELL: Objection.
11	exhibit. Deposition Exhibit 28 is the Merritt paper.	11	BY MR. ZELLERS:
12	(Exhibit No. 28 was marked for identification.)	12	Q Exhibit 6 to the deposition?
13	BY MR. ZELLERS:	13	MS. O'DELL: Excuse me. Objection.
14	Q. Doctor, is this the same as what you're	14	Misrepresents his testimony.
15	looking at there?	15	What's your question?
16	A. Yes.	16	BY MR. ZELLERS:
17	Q. This is a study that you cite in support of	17	Q. Well, do you want to answer that question?
18	your opinions; is that right?	18	You've not read each and every one of the studies;
19	MS. O'DELL: Object to the form.	19	correct?
20	I think it's referenced in his materials list. It's	20	MS. O'DELL: Objection. Misrepresents
21	not cited in his report.	21	his testimony. I think what he had testified to
22	BY MR. ZELLERS:	22	earlier is that he had not read every word of every
23	Q. It's a study that you felt was at least	23	study but had read the abstracts of certainly of
24	important enough to refer to in your	24	every one.
25	materials-considered list; is that right?	25	THE WITNESS: Right. And I haven't
	Page 239		Page 241
1	A. Along with all these other materials, yes.	1	committed every abstract to memory. I'm sure you can
2	Q. Well, if we go to the "Discussion" on	2	appreciate that too.
3	page 174 of Deposition Exhibit 28 are you with me	3	BY MR. ZELLERS:
4	on 174?	4	Q. I can, and that's why you have it in front of
5	A. I'm on 174. Which paragraph?		
		5	you.
6	Q. Well, the very first	5 6	you. A. Okay.
6 7	A. Can I back up? I'd like to refresh my memory		you. A. Okay. Q. So if we go to page 174, "Discussion," do you
7 8	A. Can I back up? I'd like to refresh my memory of what this study was about.	6 7 8	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side?
7	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients.	6 7	you. A. Okay. Q. So if we go to page 174, "Discussion," do you
7 8	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased	6 7 8	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see?
7 8 9 10 11	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc.	6 7 8 9 10 11	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"?
7 8 9 10 11 12	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm	6 7 8 9 10 11 12	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes.
7 8 9 10 11 12 13	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question.	6 7 8 9 10 11 12 13	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under
7 8 9 10 11 12 13	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about	6 7 8 9 10 11 12 13 14	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read):
7 8 9 10 11 12 13 14	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor	6 7 8 9 10 11 12 13 14	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination
7 8 9 10 11 12 13 14 15	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished.	6 7 8 9 10 11 12 13 14 15	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest
7 8 9 10 11 12 13 14 15 16 17	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor	6 7 8 9 10 11 12 13 14 15 16	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is
7 8 9 10 11 12 13 14 15 16 17	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor,	6 7 8 9 10 11 12 13 14 15 16 17 18	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in
7 8 9 10 11 12 13 14 15 16 17 18	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before	6 7 8 9 10 11 12 13 14 15 16 17 18	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian
7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer."
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even the details of the study so far.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that correctly?
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even the details of the study so far. BY MR. ZELLERS:	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that correctly? A. I don't think so. Says (as read):
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Can I back up? I'd like to refresh my memory of what this study was about. It was a case-control study, 1500 patients. Confirmed statistical significance of increased ovarian cancer risk associated with use of talc. Relative risk 1.17. Strongest were serous. I'm trying to get down to your inflammation question. Q. Well, it also talks about MS. O'DELL: I don't think the doctor was finished. MR. ZELLERS: Okay. If the doctor wasn't finished, what else do you need to say, Doctor, before THE WITNESS: I'm trying to find out where all's I'm reading is the abstract, not even the details of the study so far.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	you. A. Okay. Q. So if we go to page 174, "Discussion," do you see that? See that paragraph on the left-hand side? A. I see the page. Which paragraph do you want to see? Q. Well, do you see the word "Discussion"? A. Yes. Q. All right. The first paragraph under "Discussion," the last sentence (as read): "These results, in combination with previous studies, suggest that chronic inflammation is unlikely to play a major role in the development of ovarian cancer." Is that the statement did I read that correctly?

1			
1	Page 242		Page 244
	Are we reading the same you're reading	1	opinions contained in your report?
2	the first sentence under "Discussion"?	2	MS. O'DELL: Objection to form.
3	Q. No. I'm reading the last sentence of	3	THE WITNESS: That it is well
4	"Discussion" last sentence of the first paragraph.	4	established, in my opinion, that pelvic inflammatory
5	A. Okay. You read it correctly.	5	disease is a risk factor for ovarian cancer.
6	Q. All right. And then if we go to the	6	BY MR. ZELLERS:
7	right-hand side, on the same page of the last	7	Q. Do you agree you cannot ignore the data that
8	paragraph, the first two sentences state (as read):	8	doesn't support your opinion and are only relying or
9	"If inflammation plays a role in	9	looking at data that does support your opinion?
10	the etiology of ovarian cancer,	10	MS. O'DELL: Object to the form.
11	then it would be expected that PID	11	THE WITNESS: My opinion is based on a
12	would be associated with increased	12	larger body of evidence and that other authorities,
13	risk of ovarian cancer. PID was	13	not my opinion, have established that PID is a risk
14	not associated with elevated risk	14	factor.
15	of ovarian tumors in our data,	15	MS. BOCKUS: Object. Nonresponsive.
16	confirming several previous	16	MR. ZELLERS: Move to strike as
17	reports of no association with PID	17	nonresponsive.
18	in studies of all subtypes of	18	BY MR. ZELLERS:
19	ovarian cancer."	19	Q. Do you agree that in doing a proper expert
20	Did I read that correctly?	20	analysis, you need to review and consider the studies
21	A. You did.	21	that both support your opinions and the studies that
22	Q. So this study concludes that, on balance,	22	do not support your opinions?
23	chronic inflammation does not play a major role in the	23	A. Absolutely. That's my methodology.
24	development of ovarian cancer; correct?	24	Q. And you believe that you have done that in
25	A. So PID is pelvic inflammatory disease. Is	25	the discussion in your report; is that right?
	Page 243		Page 245
1	that what you understand it?	1	A. I believe so.
2	Q. Yes.	_	
		2	
3		2	Q. All right. Do you agree that the studies
3 4	A. So pelvic inflammatory disease is an acute		Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of
	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually	3	Q. All right. Do you agree that the studies
4	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic	3 4	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation,
4 5	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually	3 4 5	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk?
4 5 6	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a	3 4 5 6	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding.
4 5 6 7	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the	3 4 5 6 7	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of
4 5 6 7 8	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this	3 4 5 6 7 8	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be
4 5 6 7 8 9 10	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality,	3 4 5 6 7 8 9 10	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk?
4 5 6 7 8 9 10 11 12	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk	3 4 5 6 7 8 9 10 11	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more
4 5 6 7 8 9 10 11 12 13	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer.	3 4 5 6 7 8 9 10 11 12	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs
4 5 6 7 8 9 10 11 12 13	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion	3 4 5 6 7 8 9 10 11 12 13	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they
4 5 6 7 8 9 10 11 12 13 14 15	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or	3 4 5 6 7 8 9 10 11 12 13 14	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started
4 5 6 7 8 9 10 11 12 13 14 15	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer?	3 4 5 6 7 8 9 10 11 12 13 14 15	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later.
4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you	3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which one it was, but they are	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form. THE WITNESS: I'm talking about chronic
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which one it was, but they are Q. Let me ask another question, then.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form. THE WITNESS: I'm talking about chronic inflammation, to be clear.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. So pelvic inflammatory disease is an acute infection treated with antibiotics and usually resolves with proper treatment. So it's not a chronic infection. Having said that, PID is recognized as a risk factor in many of the studies many of the documents that you've referred to earlier this morning. So this particular case-control study doesn't identify PID as a risk; but, in totality, pelvic inflammatory disease is considered a risk factor for ovarian cancer. Q. What study do you rely on for your opinion that pelvic inflammatory disease is a risk factor or causative of ovarian cancer? A. If I could turn back to the documents you were using earlier today from either the CDC or Q. And just refer to them generally, and then we'll take a look. The CDC A. Well, I mean, the risk I'm not sure which one it was, but they are	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. All right. Do you agree that the studies relating to NSAIDs are not consistent in terms of establishing that NSAIDs, which reduce inflammation, are associated with reduced ovarian cancer risk? A. That's my understanding. Q. Wouldn't you expect, if your theory of inflammation is correct, that there would be consistency among the NSAID studies and that they would be consistently associated with reduced ovarian cancer risk? A. I'd have to review those studies in more detail. I don't know what the doses of the NSAIDs were, how chronically they were used, whether they started at the time the chronic inflammation started or later. Q. Would you agree that the literature that you cite and that you rely upon for your inflammation theory cites and just shows inflammation, not chronic inflammation, leading to cancer? MS. O'DELL: Object to the form. THE WITNESS: I'm talking about chronic

	Page 246		Page 248
1	Page 4, you cite Eberl 1948, Redic 1988, and	1	Q. But the FDA noted and I'm looking at
2	1993 NTP study of rats and mice for the proposition	2	page 4 that (as read):
3	that talcum powder is known to elicit an inflammatory	3	"The investigators conceded that
4	response in animals and humans. Is that right?	4	they had problems with the aerosol
5	A. Yes.	5	generation system and that the
6	Q. Those studies just show an acute inflammatory	6	study did not include positive and
7	response; is that right?	7	negative dust controls."
8	MS. O'DELL: Object to the form.	8	Is that right?
9	THE WITNESS: I don't recall that,	9	A. That's what it says.
10	but	10	Q. The FDA went on to conclude that (as read):
11	BY MR. ZELLERS:	11	"In light of these shortcomings, a
12	Q. Well, are you familiar with the FDA's 2014	12	panel of experts at the 1994
13	response to the citizens petition which we talked	13	ISRTP/FDA workshop declared that
14	about earlier?	14	the 1993 NTP study had no
15	A. Yeah. Let me pull that out again.	15	relevance to human risk."
16	Q. Sure. Do you have that available?	16	Did I read that correctly?
17	A. There's an exhibit here.	17	MS. O'DELL: Object to the form.
18	Q. I have it as Exhibit 19.	18	THE WITNESS: You read that correctly,
19	Do you see that do you have that in front	19	and this that study was that workshop was
20	of you?	20	convened a decade before this letter was written.
21	A. I have the exhibit.	21	There was definitely more information available that
22	Q. So go to page 3, where the authors talk about	22	the FDA, once again, chose to not include or ignore.
23	the toxicologic findings.	23	BY MR. ZELLERS:
24	Do you see that?	24	Q. Well, let's take a look at just a couple of
25	A. I'll get there in a second.	25	the studies that you refer to in your report.
	Page 247		Page 249
1	Page 247 Q. Sure.	1	Page 249 You cite to the Buz'Zard 2007 study; is that
1 2		1 2	
	Q. Sure.		You cite to the Buz'Zard 2007 study; is that
2	Q. Sure. Can I ask you a question?	2	You cite to the Buz'Zard 2007 study; is that right?
2	Q. Sure.Can I ask you a question?A. Just give me one minute, please.	2 3	You cite to the Buz'Zard 2007 study; is that right? A. Yes.
2 3 4	Q. Sure.Can I ask you a question?A. Just give me one minute, please.Okay.	2 3 4	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support
2 3 4 5	Q. Sure.Can I ask you a question?A. Just give me one minute, please.Okay.Q. The FDA, in reviewing the toxicology findings	2 3 4 5	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic
2 3 4 5 6	 Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National 	2 3 4 5 6	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is
2 3 4 5 6 7	 Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state 	2 3 4 5 6 7	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph.
2 3 4 5 6 7 8	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read):	2 3 4 5 6 7 8	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard
2 3 4 5 6 7 8	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing	2 3 4 5 6 7 8	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here.
2 3 4 5 6 7 8 9	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of	2 3 4 5 6 7 8 9	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you
2 3 4 5 6 7 8 9 10	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and	2 3 4 5 6 7 8 9 10	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you?
2 3 4 5 6 7 8 9 10 11	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the	2 3 4 5 6 7 8 9 10 11	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir.
2 3 4 5 6 7 8 9 10 11 12 13	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc	2 3 4 5 6 7 8 9 10 11 12	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a
2 3 4 5 6 7 8 9 10 11 12 13 14	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc,	2 3 4 5 6 7 8 9 10 11 12 13	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental	2 3 4 5 6 7 8 9 10 11 12 13 14	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of	2 3 4 5 6 7 8 9 10 11 12 13 14 15	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size."	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context to what's above here from the NTP report.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder. Q. Did you consider the type of cells that were
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context to what's above here from the NTP report. Q. Have you made a determination in this case	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder. Q. Did you consider the type of cells that were evaluated in the Buz'Zard study?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Sure. Can I ask you a question? A. Just give me one minute, please. Okay. Q. The FDA, in reviewing the toxicology findings and specifically commenting on the 1993 National Toxicology Program, published a study, they state and I'm reading now the last paragraph (as read): "The study lacks convincing scientific support because of serious flaws in its design and conduct, including the investigators used micronized talc instead of consumer-grade talc, resulting in the experimental protocol not being reflective of human exposure conditions in terms of particle size." Did I read that correctly? A. Well, yes. But that's taken out of context to what's above here from the NTP report. Q. Have you made a determination in this case about the size of the particles in talcum powder	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	You cite to the Buz'Zard 2007 study; is that right? A. Yes. Q. You rely on the Buz'Zard study to support your view that talcum powder causes chronic inflammation that leads to ovarian cancer. This is page 4 of your report, second-to-last paragraph. A. Yes. I'm trying to pull out the Buz'Zard paper here. Q. Do you need me to give it to you, or do you have it in front of you? A. I have it, sir. Q. All right. So this study was conducted in a nutritional lab, not a cancer lab; is that right? A. Yes. Q. The purpose of the study was to assess whether there was a certain effect from pine bark supplements; is that right? A. There was an effect to neutralize the impact of talcum powder. Q. Did you consider the type of cells that were evaluated in the Buz'Zard study? And let me make it easy for you. The

	Page 250		Page 252
1	culture and treatment."	1	BY MR. ZELLERS:
2	A. I'm trying to find where they talk about	2	Q. Saed. You were citing the Saed studies, both
3	human origin. Temperatures. Immortalized, yes.	3	2018, and now the Harper and Saed 2009 strike
4	Normal ovarian epithelium and normal granulosa cells.	4	that 2019 abstract; is that right?
5	It's not just generic immortalized cells.	5	A. Repeat the first one.
6	Q. But the study used immortalized cells; is	6	Q. Sure. You're relying, in part, for your
7	that correct?	7	inflammation theory on Saed 2018, that chapter, and
8	A. Immortalized ovarian cells.	8	the Harper and Saed 2019 abstract; is that right?
9	Q. Did you investigate whether the ovarian cells	9	MS. O'DELL: Object to the form.
10	that they used were genetically altered?	10	THE WITNESS: I'm relying on a paper
11	A. Did I investigate whether they were	11	a review paper published in Gyn Oncology in 2017. Is
12	genetically altered?	12	that what you're talking about?
13	Q. Yes.	13	BY MR. ZELLERS:
14	A. I had no opportunity to investigate that	14	Q. Well, I thought Saed that you cite in your
15	question.	15	paper or your report was Saed 2018 and Harper
16	Q. If the Buz'Zard study used genetically	16	and Saed 2019.
17	altered ovarian cells that did not have the p53	17	Are you relying on a Saed 2017 paper as
18	protein, would that affect your analysis of Buz'Zard?	18	well?
19	A. I would have to turn to a molecular biologist	19	A. There's a review paper, "Updates on Oxidative
20	to tell me what impact that might have had on the	20	Stress in Pathogenesis of Ovarian Cancer" that I am
21	impact of this study.	21	familiar with and is a very nice review paper
22	Q. Well, you yourself, as we talked about in the	22	describing oxidative stress and gene mutation.
23	very beginning today in one of your early	23	Q. Well, let me ask you a
24	publications, a cell missing the p53 protein is not a	24	A. But there's two other abstracts here that
25	normal human ovarian cell; is that right?	25	I think you're talking about.
	Page 251		Page 253
1	MS. O'DELL: Object to the form.	1	Q. Do you know that Dr. Saed is a paid expert
2	THE WITNESS: No, that's not what we	2	for the plaintiffs' lawyers in this litigation?
3	were talking about this morning in the one 1993 study	3	A. No.
4	that I was a coauthor on. P53 mutation is what we	4	Q. Did you consider that fact in evaluating
5	were talking about.	5	Dr. Saed's work?
			Di. Sacus Work.
6	BY MR. ZELLERS:	6	A. I believe he's an honest scientist and is
6 7	-		
	BY MR. ZELLERS:	6	A. I believe he's an honest scientist and is
7	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the	6 7	A. I believe he's an honest scientist and is doing good scientific work.
7 8	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does	6 7 8	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's
7 8 9	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder."	6 7 8 9	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist?
7 8 9 10	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point.	6 7 8 9 10	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer
7 8 9 10 11	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form.	6 7 8 9 10 11	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review
7 8 9 10 11 12	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right?	6 7 8 9 10 11	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that
7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down,	6 7 8 9 10 11 12 13 14	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed
7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right?	6 7 8 9 10 11 12 13	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in
7 8 9 10 11 12 13 14	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down,	6 7 8 9 10 11 12 13 14	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed
7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the	6 7 8 9 10 11 12 13 14 15	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form.
7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive.	6 7 8 9 10 11 12 13 14 15 16	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation?
7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS:	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. In fact, the study shows that higher doses of	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words. BY MR. ZELLERS:
7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. In fact, the study shows that higher doses of talcum powder are associated with lower ROS	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words. BY MR. ZELLERS: Q. Have you spoken with Dr. Saed?
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. In fact, the study shows that higher doses of talcum powder are associated with lower ROS generation; is that right?	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words. BY MR. ZELLERS: Q. Have you spoken with Dr. Saed? A. No. I've never met him.
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Right. Well, looking at the Figure 3 of the Buz'Zard study 2007, "The inflammatory response does not increase with increasing doses of talcum powder." Is that right? MS. O'DELL: Object to the form. THE WITNESS: It does up to a point. BY MR. ZELLERS: Q. Then stops; is that right? A. That's right. And then it goes down, probably because the talcum powder was killing the cells. MR. ZELLERS: Move to strike as nonresponsive. BY MR. ZELLERS: Q. In fact, the study shows that higher doses of talcum powder are associated with lower ROS	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I believe he's an honest scientist and is doing good scientific work. Q. What is your basis for concluding that he's an honest scientist? A. He has a good reputation in the gynecologic oncology community. He's published peer review publications that have been undergone critical peer review. Q. Did Dr. Saed, in any of the publications that you have reviewed 2017, 2018, and 2019 disclosed that he's a paid expert for the plaintiff lawyers in this litigation? MS. O'DELL: Object to the form. THE WITNESS: Not exactly in those words. BY MR. ZELLERS: Q. Have you spoken with Dr. Saed?

	Page 254		Page 256
1	A. No, I have not.	1	MS. O'DELL: Object to the form.
2	Q. The Saed study looked at immortalized cell	2	THE WITNESS: I think we don't know how
3	lines; is that right?	3	much talcum powder gets to the ovary.
4	MS. O'DELL: Which study are you	4	BY MR. ZELLERS:
5	referring to?	5	Q. Can you cite any data showing that the level
6	MR. ZELLERS: I'm referring to the 2018	6	of concentration of exposure used in the Saed study
7	and 2009 publications that you have referenced with	7	has ever occurred in women with perineal talc use?
8	the doctor.	8	A. I think that's an unknown answer.
9	MS. O'DELL: You said 2009	9	Q. Do you know what SNPs are, S-N-P-S?
10	MR. ZELLERS: I'm sorry. 2019. Excuse	10	A. Yes. Single-nucleotide polymorphisms.
11	me.	11	Q. The Saed abstract and article looked at
12	THE WITNESS: Just to be clear, just so	12	single-nucleotide polymorphisms, or SNPs; is that
13	we know the authors, so you're talking about Fletcher	13	right?
14	and Saed, the abstract?	14	A. That's correct.
15	BY MR. ZELLERS:	15	Q. They are changes to the individual building
16	Q. I was referring to what you cite and	16	blocks of DNA; is that right?
17	reference in your report, which, at least in part, is	17	A. Yes.
18	Saed 2018 and Harper and Saed 2019.	18	Q. SNPs can be caused by a number of agents or
19	Did you review those studies and are you	19	factors; is that right?
20	relying, at least in part, on those studies?	20	A. I believe so.
21	A. Those studies and then with the subsequent	21	Q. Most SNPs have no effect on health or
22	full-length manuscript by Dr. Saed.	22	development; is that right?
23	Q. All right. And you're aware that Dr. Saed	23	MS. O'DELL: Object to the form.
24	looked at immortalized cell lines; is that right?	24	THE WITNESS: Individual SNPs. So SNPs
25	A. That is about the only way to do that kind of	25	do represent a gene mutation, and they do have impact
	Page 255		Page 257
1	research, is with immortalized cells.	1	on the carcinogenesis, if you will, or development of
2	Q. Are you aware that Dr. Saed has testified	2	cancer. Not in all cases.
3	that the cells were modified with a virus to make them	3	BY MR. ZELLERS:
4	undergoing strike that to make them keep	4	Q. What evidence do you have that the SNPs that
5	undergoing division in vitro?	5	Dr. Saed observed are associated with ovarian cancer?
6	A. I was not aware of that, but it may be a	6	A. We see that this chronic inflammation caused
7	laboratory technique that's necessary to do continuous	7	by talcum powder in his laboratory is creating SNPs,
8	studies on the same cell line.	8	gene mutations. Gene mutations then become cancer.
9	Q. Are you aware that Dr. Saed testified that	9	Q. What studies can you cite that show that
10	the p53 gene was turned off in those cells?	10	those SNPs have a statistically significant
11	MS. O'DELL: Object to the form.	11	association with ovarian cancer?
12	THE WITNESS: I was not aware of his	12	MS. O'DELL: Object to the form.
13	testimony at all. I've not read his deposition.	13 14	THE WITNESS: I would have to return to the literature. There's a broad literature about SNPs
14 15	BY MR. ZELLERS:	15	
15 16	Q. What methodology did you use to apply the Saed results to normal cells in actual organs?	16	that are more than the laboratory right now. But the combination of different SNPs is recognized as causing
17	MS. O'DELL: Object to the form.	17	cancer.
18	THE WITNESS: I think this is the best	18	I don't know the specific SNPs that you're
19	one can do, I presume I'm not a laboratory	19	referring to.
20	scientist, but the best they can do to replicate	20	BY MR. ZELLERS:
21	in vitro the impact of talcum powder on ovarian cells.	21	Q. Other SNPs have no effect on health or
	BY MR. ZELLERS:	22	development; correct?
22			A. Some.
22 23	Q. Can you cite any data showing that the	23	A. Sollie.
	Q. Can you cite any data showing that the concentrations of exposure used in the Saed study are	23	
23	Q. Can you cite any data showing that the concentrations of exposure used in the Saed study are the same as would be encountered in cosmetic use?		MS. O'DELL: Object to the form.

	Page 258		Page 260
1	BY MR. ZELLERS:	1	BY MR. ZELLERS:
2	Q. Oxidative stress, would you agree that	2	Q. Dr. Clarke-Pearson, are you familiar with the
3	reactive oxygen species are a normal part of cell	3	term "confounding"?
4	physiology?	4	A. Yes.
5	A. To some degree.	5	Q. That's where the presence of another
6	Q. Do all substances that cause oxidative stress	6	association confuses the relationship between the
7	also cause cancer?	7	exposure and disease being studied; correct?
8	A. No.	8	A. That sounds like a reasonable definition.
9	Q. Does the presence of oxidative stress in	9	Q. For example, if you're studying the
10	tissue indicate that cancer will develop in that	10	association between coffee and pancreatic cancer, you
11	tissue?	11	need to be mindful of whether cigarette smoking is
12	A. It can develop in that tissue.	12	more common in coffee drinkers than in the rest of the
13	MS. O'DELL: Excuse me, Mike. Whenever	13	population; correct?
14	you get to a breaking stopping point, we've been	14	A. And if there's some synergism between the
15	going about an hour and 40 minutes, I think, something	15	two.
16	like that.	16	Q. Cigarette smoking could be a confounder in
17	MR. ZELLERS: Sure. Let me just finish	17	that situation; is that right?
18	a couple of questions here.	18	A. Yes.
19	BY MR. ZELLERS:	19	Q. Because if more coffee drinkers are smokers
20	Q. The presence of oxidative stress in a tissue	20	than non-coffee drinkers, an association between
21	may or may not indicate that cancer will develop in	21	coffee drinking and pancreatic cancer might be due to
22	that tissue; is that fair?	22	the smoking, not the coffee drinking; correct?
23	A. Yes, that's correct.	23	MS. O'DELL: Object to the form.
24	Q. If exposure to a substance causes oxidative	24	THE WITNESS: That's where a researcher
25	stress in a certain tissue, does that mean that the	25	would need to control for those variables.
	Page 259		Page 261
1	substance will cause oxidative stress in all types of	1	BY MR. ZELLERS:
2	tissues?	2	Q. Confounding can distort results in
3	A. Not necessarily.	3	epidemiologic studies; is that right?
4	Q. Does the body have protective mechanisms that	4	A. Yes.
5	can limit tissue damage from oxidative stress?	5	A. 1 es. Q. You agree that residual confounding is
6	A. Yes.	6	possible in every observational study; correct?
7	Q. What publications indicate that oxidative	7	A. I'm not sure I understand what "residual
8	stress is involved in the development of ovarian		
	_	8	confounding" is.
9	cancer?	9	Q. Well, residual confounding is confounding
9 10	cancer? A. We're again talking about the evidence that	9 10	Q. Well, residual confounding is confounding that remains even after you have controlled for known
9 10 11	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative	9 10 11	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders.
9 10 11 12	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress.	9 10 11 12	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form.
9 10 11 12 13	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication?	9 10 11 12 13	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your
9 10 11 12 13 14	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer?	9 10 11 12 13 14	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question.
9 10 11 12 13 14 15	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes.	9 10 11 12 13 14 15	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS:
9 10 11 12 13 14 15	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you	9 10 11 12 13 14 15	Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again.
9 10 11 12 13 14 15 16	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that	9 10 11 12 13 14 15 16	Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay.
9 10 11 12 13 14 15 16 17	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day.	9 10 11 12 13 14 15 16 17	Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again.
9 10 11 12 13 14 15 16 17 18	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break.	9 10 11 12 13 14 15 16 17 18	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is
9 10 11 12 13 14 15 16 17 18 19 20	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record	9 10 11 12 13 14 15 16 17 18 19 20	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct?
9 10 11 12 13 14 15 16 17 18 19 20 21	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 3:22 p.m.	9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct? MS. O'DELL: Object to the form.
9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 3:22 p.m. (Recess taken from 3:22 p.m. to 3:38 p.m.)	9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct? MS. O'DELL: Object to the form. THE WITNESS: That is possible.
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 3:22 p.m. (Recess taken from 3:22 p.m. to 3:38 p.m.) THE VIDEOGRAPHER: Back on the record	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Well, residual confounding is confounding that remains even after you have controlled for know confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct? MS. O'DELL: Object to the form. THE WITNESS: That is possible. BY MR. ZELLERS:
9 10 11 12 13 14 15 16 17 18 19 20 21 22	cancer? A. We're again talking about the evidence that there's gene mutations being caused by oxidative stress. Q. Can you cite to me a publication? A. That results in ovarian cancer? Q. Yes. A. No, I can't cite that to you. I can show you the laboratory evidence that's leading to that conclusion that it will happen one day. MR. ZELLERS: Let's take a break. THE VIDEOGRAPHER: Going off the record at 3:22 p.m. (Recess taken from 3:22 p.m. to 3:38 p.m.)	9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Well, residual confounding is confounding that remains even after you have controlled for known confounders. MS. O'DELL: Object to the form. THE WITNESS: So let me read your question. BY MR. ZELLERS: Q. Or I can ask it again. A. Okay. Q. I'll ask it again. You agree that residual confounding is possible in every observational study; correct? MS. O'DELL: Object to the form. THE WITNESS: That is possible.

	Page 262		Page 264
1	study; correct?	1	Obesity in adolescence may or may not be.
2	MS. O'DELL: Objection to form.	2	I'm not aware of the data on that.
3	THE WITNESS: Yes, that's possible.	3	BY MR. ZELLERS:
4	BY MR. ZELLERS:	4	Q. Factors weren't controlled for, Chlamydia
5	Q. It's impossible to say that all known and	5	infection, history of weight gain, those are factors
6	unknown confounding factors have been controlled for	6	that were not controlled for strike that. Let me
7	in any given study; is that right?	7	be more precise.
8	MS. O'DELL: Object to the form.	8	A history of Chlamydia infection and a
9	THE WITNESS: That's why we do	9	history of weight gain during adolescence are two
10	randomized control trials if possible.	10	recent factors that are being discussed among the
11	BY MR. ZELLERS:	11	gynecologic oncology community; correct?
12	Q. Many new factors possibly involved in ovarian	12	MS. O'DELL: Object to the form.
13	cancer are just being published in the literature; is	13	THE WITNESS: I'm not aware of the
14	that right?	14	obesity in adolescence. It may be.
15	MS. O'DELL: Object to the form.	15	BY MR. ZELLERS:
16	THE WITNESS: What's being what	16	Q. Those factors were not controlled for in any
17	I was referring to as new factors are really the	17	of the published talc ovarian cancer studies; correct?
18	biological mechanisms by which ovarian cancer occurs.	18	A. That's correct.
19	BY MR. ZELLERS:	19	Q. You rely on Terry 2013 in your report. It's
20	Q. Well, through time, there have been different	20	part of your graph on or your table on page 7; is
21	factors or potential factors involved in ovarian	21	that right?
22	cancer; is that right?	22	A. Yes.
23	MS. O'DELL: Object to the form.	23	Q. Terry 2013 did not adjust for hormone
24	THE WITNESS: Yes.	24	replacement therapy usage; is that right?
25		25	A. I would have to look to see what he did and
	Page 263		Page 265
1	BY MR. ZELLERS:	1	didn't adjust for.
2	Q. Some of those are borne out and some are not;	2	Q. Is that easy for you to do?
3	is that right?	3	
4			A. I'm sorry?
	A. I'm not sure what you mean	4	A. I'm sorry? O. Is that easy for you to do?
5	A. I'm not sure what you mean MS. O'DELL: Object to the form.		Q. Is that easy for you to do?
5 6	MS. O'DELL: Object to the form.	4	
	•	4 5	Q. Is that easy for you to do?A. It's buried in here under fine print, I'm sure.
6	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't	4 5 6	Q. Is that easy for you to do?A. It's buried in here under fine print, I'm sure.Q. Let me let me ask the question this way:
6 7	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out.	4 5 6 7	Q. Is that easy for you to do?A. It's buried in here under fine print, I'm sure.
6 7 8	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS:	4 5 6 7 8	 Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well,
6 7 8 9	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a	4 5 6 7 8 9	 Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that.
6 7 8 9 10	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian	4 5 6 7 8 9	 Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor
6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer?	4 5 6 7 8 9 10	 Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer?
6 7 8 9 10 11	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that?	4 5 6 7 8 9 10 11	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is.
6 7 8 9 10 11 12	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that?	4 5 6 7 8 9 10 11 12	 Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume
6 7 8 9 10 11 12 13	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it.	4 5 6 7 8 9 10 11 12 13	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this.
6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia	4 5 6 7 8 9 10 11 12 13 14	 Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that
6 7 8 9 10 11 12 13 14 15	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a	4 5 6 7 8 9 10 11 12 13 14 15	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know
6 7 8 9 10 11 12 13 14 15 16	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two	4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been
6 7 8 9 10 11 12 13 14 15 16 17	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment;
6 7 8 9 10 11 12 13 14 15 16 17 18	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved with ovarian cancer; correct?	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct?
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved with ovarian cancer; correct? MS. O'DELL: Object to the form.	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form.
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved with ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, we just finished	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form. THE WITNESS: Or it may have been
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MS. O'DELL: Object to the form. THE WITNESS: by factors aren't borne out. BY MR. ZELLERS: Q. Well, at one point, was it thought that a mumps virus was a potential viral etiology of ovarian cancer? A. Not that I'm aware of. When was that? Q. You're not aware of that? A. I'm not aware of it. Q. All right. Well, how about Chlamydia infection, a history of Chlamydia infection and a history of weight gain during adolescence are two recent examples of potentially new factors involved with ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: Well, we just finished talking about pelvic inflammatory disease, and	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Is that easy for you to do? A. It's buried in here under fine print, I'm sure. Q. Let me let me ask the question this way: If hormone replacement therapy is a risk well, strike that. Is hormone replacement therapy a risk factor for ovarian cancer? A. We believe it is. Q. If Terry 2013 and I'm asking you to assume this. If Terry 2013 did not account for that potential confounding factor, then we wouldn't know whether the odds ratio in the study would have been lower if the authors had made that adjustment; correct? MS. O'DELL: Object to the form. THE WITNESS: Or it may have been higher.

	Page 266		Page 268
1	THE WITNESS: We don't know.	1	BY MR. ZELLERS:
2	BY MR. ZELLERS:	2	Q. How is talc similar to asbestos?
3	Q. Asbestos. You're, as you've told us today,	3	A. Tale has fibrous tale in it. Assuming
4	an expert in asbestos; is that right?	4	there's let me just make an assumption that there's
5	A. I feel comfortable talking about asbestos.	5	no asbestos in talc. So that's what you're asking me
6	Q. You feel comfortable, as you told us and	6	about.
7	testified earlier, testifying as an expert on	7	Q. I'm asking you
8	asbestos; is that right?	8	A. A hypothetical that talc doesn't have
9	MS. O'DELL: Object to the form.	9	talcum powder doesn't have asbestos in it.
10	THE WITNESS: I don't think I said	10	Q. My question to you is that you state here
11	I was an expert in asbestos.	11	that there are minerals similar to talc causing
12	BY MR. ZELLERS:	12	cancer. And what I want to know is how is talc as a
13	Q. Well, on page 9 of your report, you say	13	mineral similar to asbestos?
14	(as read):	14	A. Tale has a fiber in it. Fibrous tale is
15	"There are numerous reports in the	15	similar to asbestos.
16	medical literature of minerals	16	Q. Can you be any more specific?
17	similar to talc causing cancer.	17	MS. O'DELL: Object to the form.
18	Probably the most significant	18	THE WITNESS: It's considered a
19	example is asbestos and lung	19	carcinogen. It's a long bundle of fibers.
20	cancer/mesothelioma."	20	BY MR. ZELLERS:
21	Is that right?	21	Q. Tale is a long bundle of fibers?
22	A. Yes. I'm trying to find where I say that.	22	A. Fibrous talc is.
23	I it sounds perfectly right.	23	Q. Well, I'm asking you about talc right now.
24	I'm sorry. I'm having a hard time finding	24	Is talc different than fibrous talc?
25	it. I looked under which topic are you reading	25	A. If you are talking hypothetically about platy
	Page 267		Page 269
1	from?	1	tale only
2	Q. All right. You got page 9, under "Analogy"?	2	Q. I'm talking about you as an expert and
3	Or	3	describing for us the differences in the minerals
4	A. Yes.	4	tale, fibrous tale, and asbestos.
5	Q. "There are numerous reports in the medical	5	A. So platy tale hypothetically is probably not
6	literature of minerals similar to talc causing cancer.	6	like asbestos, but it contains fibrous talc, which is
7	Probably the most significant example is asbestos and	7	a long, elongated mineral that can act in the human
8	lung cancer/mesothelioma."	8	body similar to asbestos.
^	Did I read that correctly	9	
9	Did I read that correctly)	Q. Can you be any more descriptive, or is that
10	A. Yes.	10	as far as you can go in terms of explaining how
	•	10 11	
10	A. Yes.	10 11 12	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal
10 11	A. Yes.Q from your report?A. That's correct.Q. How is talc similar to asbestos?	10 11 12 13	as far as you can go in terms of explaining how fibrous tale is similar to asbestos?
10 11 12	 A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components 	10 11 12 13 14	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations.
10 11 12 13	 A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's 	10 11 12 13 14 15	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you
10 11 12 13 14 15	 A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that 	10 11 12 13 14 15	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the
10 11 12 13 14 15 16	 A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had 	10 11 12 13 14 15 16	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos?
10 11 12 13 14 15 16 17	 A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen 	10 11 12 13 14 15 16 17	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form.
10 11 12 13 14 15 16 17 18	 A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. 	10 11 12 13 14 15 16 17 18	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look
10 11 12 13 14 15 16 17 18 19	A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are	10 11 12 13 14 15 16 17 18 19 20	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very
10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of	10 11 12 13 14 15 16 17 18 19 20 21	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar.
10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of them are considered carcinogens also.	10 11 12 13 14 15 16 17 18 19 20 21 22	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar. BY MR. ZELLERS:
10 11 12 13 14 15 16 17 18 19 20 21	A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of them are considered carcinogens also. MR. ZELLERS: Move to strike as	10 11 12 13 14 15 16 17 18 19 20 21 22 23	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar. BY MR. ZELLERS: Q. What other minerals that are similar to talc
10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yes. Q from your report? A. That's correct. Q. How is talc similar to asbestos? A. First of all, the a number of components in talcum powder have carcinogens in them. There's evidence that we haven't talked about yet that Johnson & Johnson baby powder and Shower to Shower had asbestos in it, that fibrous talc is a carcinogen according to IARC. And, in addition, heavy metals that are contained in Johnson & Johnson baby powder, two of them are considered carcinogens also.	10 11 12 13 14 15 16 17 18 19 20 21 22	as far as you can go in terms of explaining how fibrous talc is similar to asbestos? A. Both cause a chronic inflammation in normal tissues and then go on to cause oxidative stress and mutations. Q. I'm talking more about the minerals. Can you be any more descriptive about how fibrous talc, the mineral, is similar to asbestos? MS. O'DELL: Objection to form. THE WITNESS: Pictures I've seen look like asbestos particles, and fibrous talc looked very similar. BY MR. ZELLERS:

	Page 270		Page 272
1	THE WITNESS: I'm not aware of any.	1	literature on the topic of the alleged presence of
2	BY MR. ZELLERS:	2	asbestos in talcum powder; is that right?
3	Q. Are your opinions in this case dependent on	3	MS. O'DELL: Object to the form.
4	talcum powder containing asbestos?	4	THE WITNESS: The literature?
5	A. No.	5	BY MR. ZELLERS:
6	Q. Do you believe that talcum powder that does	6	Q. You're relying for their strike that.
7	not contain asbestos causes ovarian cancer?	7	For the proposition that there is asbestos
8	A. Yes.	8	in the Johnson's baby powder and Shower to Shower
9	Q. If your if your assumption about	9	product, your reviewing on the documents you were
10	contamination of talcum powder products with asbestos	10	provided by counsel, the exhibit from John Hopkins'
11	were not true, would that change your opinion in this	11	deposition, the exhibit from Julie Pier, and from the
12	case?	12	selected company documents they provided to you;
13	A. No.	13	correct?
14	MS. O'DELL: Object to the form.	14	A. I'm also relying on a publication by A.M.
15	BY MR. ZELLERS:	15	Blount.
16	Q. Is it fair to say that you have not made any	16	Q. That's what we identified earlier; is that
17	independent determination that the Johnson's baby	17	right?
18	powder and talcum powder products are contaminated	18	A. I believe so.
19	with asbestos?	19	Q. The A.M. Blount article deals with
20	MS. O'DELL: Objection to form.	20	mesothelioma, not ovarian cancer; is that right?
21	THE WITNESS: The only determination	21	MS. O'DELL: Objection to form.
22 23	I've had is the evidence that I've seen.	22 23	THE WITNESS: It talks about the
24	BY MR. ZELLERS:	23	presence of asbestos in talcum powder.
25	Q. You don't have the personal expertise to make that determination; is that right?	25	BY MR. ZELLERS: Q. Do you know that the deposition exhibits that
25	that determination, is that right:	25	Q. Do you know that the deposition exhibits that
	Page 271		Page 273
1	A. I have the personal expertise to read reports	1	you were given the exhibit to John Hopkins'
2	from experts and		you were given the comment to committee
		2	deposition and the exhibit to Julie Pier's
3	Q. Do you have the personal expertise to do the	2	
3 4	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is		deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys?
	Q. Do you have the personal expertise to do the	3	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form.
4 5 6	Q. Do you have the personal expertise to do the testing necessary to determine whether or not tale is contaminated with asbestos?A. No, I do not.	3 4 5 6	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys?
4 5	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos?A. No, I do not.Q. You're relying on the reports of Longo for	3 4 5 6 7	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created.
4 5 6	 Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? 	3 4 5 6	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS:
4 5 6 7 8 9	 Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. 	3 4 5 6 7 8 9	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits
4 5 6 7 8 9	 Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing 	3 4 5 6 7 8 9	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from?
4 5 6 7 8 9 10	Q. Do you have the personal expertise to do the testing necessary to determine whether or not tale is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in	3 4 5 6 7 8 9 10	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not.
4 5 6 7 8 9 10 11	Q. Do you have the personal expertise to do the testing necessary to determine whether or not tale is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition.	3 4 5 6 7 8 9 10 11	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that.
4 5 6 7 8 9 10 11 12	Q. Do you have the personal expertise to do the testing necessary to determine whether or not tale is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS:	3 4 5 6 7 8 9 10 11 12	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any
4 5 6 7 8 9 10 11 12 13	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits	3 4 5 6 7 8 9 10 11 12 13	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts?
4 5 6 7 8 9 10 11 12 13 14 15	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins'	3 4 5 6 7 8 9 10 11 12 13 14	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition
4 5 6 7 8 9 10 11 12 13 14 15	Q. Do you have the personal expertise to do the testing necessary to determine whether or not tale is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition;	3 4 5 6 7 8 9 10 11 12 13 14 15	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits.
4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Do you have the personal expertise to do the testing necessary to determine whether or not tale is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right?	3 4 5 6 7 8 9 10 11 12 13 14 15 16	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you?
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right? A. Or by Ms. O'Dell, I'm not sure who.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you? MS. O'DELL: Object to the form.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Do you have the personal expertise to do the testing necessary to determine whether or not tale is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right? A. Or by Ms. O'Dell, I'm not sure who. Q. Or by Ms. O'Dell, I'll put her in the	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you? MS. O'DELL: Object to the form. THE WITNESS: Personally, no.
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Do you have the personal expertise to do the testing necessary to determine whether or not talc is contaminated with asbestos? A. No, I do not. Q. You're relying on the reports of Longo for that information; is that right? MS. O'DELL: Object to the form. THE WITNESS: And I think also testing that was performed by Johnson & Johnson, reported in the John Hopkins deposition. BY MR. ZELLERS: Q. Well, you're talking about the two exhibits that you looked at, one exhibit in John Hopkins' deposition and one exhibit in Julie Pier deposition; is that right? A. Yes. Q. You were given those documents by Dr. Thompson and counsel for plaintiffs; is that right? A. Or by Ms. O'Dell, I'm not sure who.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	deposition and the exhibit to Julie Pier's deposition that they were tables and exhibits that were created by the plaintiff attorneys? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of how these tables were created. BY MR. ZELLERS: Q. Do you know where the data in those exhibits came from? A. I do not. Q. Are you strike that. Have you made any effort to investigate any alternative explanations for the data in those charts? And I'm talking about the Hopkins and Pier deposition exhibits. A. No. Q. If scientists with Johnson & Johnson companies and Imerys scientists say that those tests don't actually show asbestos, you have no expertise to dispute that personally, do you? MS. O'DELL: Object to the form.

	D 054		7 000
	Page 274		Page 276
1	provided with the evidence of Johnson & Johnson	1	A. My recollection was, whatever technique they
2	companies and Imerys that, in fact, those tests do not	2	used, they didn't find asbestos.
3	show asbestos?	3	Q. Have you made any effort to quantify the
4	MS. O'DELL: Object to the form.	4	amount of any alleged contaminant in the Johnson's
5	THE WITNESS: You're referring to the	5	baby powder products?
6	charts that I have?	6	MS. O'DELL: Objection to form.
7	BY MR. ZELLERS:	7	THE WITNESS: What contaminant are you
8	Q. Yes.	8	talking about?
9	A. I'm not aware of that.	9	BY MR. ZELLERS:
10	Q. Have you confirmed that any of the talc	10	Q. Well, let's start with asbestos.
11	samples mentioned in those charts, the two exhibits of	11	A. I haven't made any effort to quantify aside
12	Hopkins deposition and Pier deposition, were actually	12	from what's in the reports.
13	from tale that was used in body powder?	13	Q. Have you made any effort to quantify the
14	A. I believe the testing that was reported in	14	trace amounts of heavy metals that you contend are in
15	Hopkins was from Johnson & Johnson.	15	the baby powder?
16	Q. Number one, have you confirmed that any of	16	A. I have not tried to quantitate that except
17	the talc samples mentioned in those charts were	17	for what's in the reports.
18 19	actually from tale that was used in body powder?	18 19	Q. Have you attempted to quantify in any manner the fragrance chemicals that you believe are contained
20	MS. O'DELL: Objection to form. THE WITNESS: I can't confirm that.	20	in the baby powder?
21	BY MR. ZELLERS:	21	MS. O'DELL: Objection to form.
22	Q. You realize that the vast majority of talc	22	THE WITNESS: The fragrance chemicals
23	isn't used for body powder; correct?	23	that I know are contained in the baby powder?
24	MS. O'DELL: Objection to form.	24	BY MR. ZELLERS:
25	THE WITNESS: I don't know.	25	Q. Well, you don't really know if any fragrance
	THE WITNESS. I don't know.	23	Q. Wen, you don't reany know it any fragrance
	Page 275		Page 277
1	Page 275 BY MR. ZELLERS:	1	Page 277 chemicals are contained in the baby powder. You have
1 2	BY MR. ZELLERS: Q. Did you consider any testing of Johnson &	1 2	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by
	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum		chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right?
2	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder?	2 3 4	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes.
2 3 4 5	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo	2 3 4 5	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what
2 3 4 5 6	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample.	2 3 4 5 6	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby
2 3 4 5 6 7	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any	2 3 4 5 6 7	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder?
2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies	2 3 4 5 6 7 8	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several
2 3 4 5 6 7 8	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos?	2 3 4 5 6 7 8	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types.
2 3 4 5 6 7 8 9	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that	2 3 4 5 6 7 8 9	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types
2 3 4 5 6 7 8 9 10	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point.	2 3 4 5 6 7 8 9 10	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that.
2 3 4 5 6 7 8 9 10 11	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test	2 3 4 5 6 7 8 9 10 11	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby
2 3 4 5 6 7 8 9 10 11 12	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs?	2 3 4 5 6 7 8 9 10 11 12	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder?
2 3 4 5 6 7 8 9 10 11 12 13	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No.	2 3 4 5 6 7 8 9 10 11 12 13	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum	2 3 4 5 6 7 8 9 10 11 12 13 14 15	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it. Q. Have you made any effort well, strike	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct. Q. Do you know what type of asbestos is most
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it. Q. Have you made any effort well, strike that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct. Q. Do you know what type of asbestos is most commonly associated with ovarian cancer?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	BY MR. ZELLERS: Q. Did you consider any testing of Johnson & Johnson or Imerys that found no asbestos in the talcum powder? A. I presume there is. The report by Dr. Longo didn't show it in every single sample. Q. Well, did you consider did you review any of that testing of either Johnson & Johnson companies or Imerys that found no asbestos? A. I was not aware of any data on that to that point. Q. Were you provided that data or those test results by counsel for plaintiffs? A. No. Q. Have you reviewed the FDA's testing of talcum powder products? A. You'd have to show me that evidence. Q. Do you recall, sitting here, whether or not you have been provided with the FDA's testing of talcum powder products? A. I believe I've seen it. Q. Have you made any effort well, strike	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	chemicals are contained in the baby powder. You have reviewed some documents and materials prepared by others which talk about that; right? A. Yes. Q. All right. Do you have an opinion on what type of asbestos, if any, is in the Johnson's baby powder? A. Looking at the reports, there are several types. Q. Tell us what types you believe what types of asbestos are found or strike that. What types of asbestos are found in the baby powder? A. So this is from the Hopkins Report. Tremolite. Crystalline. Some more crystalline. Crystalline. Crystalline. Tremolite. Actinolite. Actinolite. Would you like me to go on? Q. Well, you're just reading down from the Hopkins, Exhibit 47; is that right? A. That's correct. Q. Do you know what type of asbestos is most

	Page 278		Page 280
1	BY MR. ZELLERS:	1	A. Yes.
2	Q. That's your belief? That all types of	2	Q. Are you familiar with the limitations of that
3	asbestos are equally associated with ovarian cancer?	3	research?
4	A. I think they're all carcinogens.	4	MS. O'DELL: Objection. Vague.
5	Q. Am I correct that, at least as you sit here,	5	THE WITNESS: I'm not quite sure
6	you believe that all forms of asbestos are associated	6	BY MR. ZELLERS:
7	with ovarian cancer?	7	Q. I'm sorry. Did you finish?
8	A. There's never been a randomized trial	8	A. Yes.
9	exposing women to different forms of asbestos to	9	Q. One of the papers you looked at and
10	determine whether one is more carcinogenic than the	10	I think it's contained in one of your folders was
11	other.	11	the Reid 2011 paper. Is that right?
12	Q. So your answer is yes; is that right?	12	A. Yes.
13	MS. O'DELL: Object to the form.	13	Q. That was research on the potential
14	MS. BOCKUS: I was going to object to	14	relationship between asbestos and ovarian cancer. One
15	his prior answer as nonresponsive.	15	of the limitations as discussed by Reid is that
16	THE WITNESS: Your question was, "Am	16	there's a very small number of cases.
17	I correct?"	17	Is that right?
18	BY MR. ZELLERS:	18	MS. O'DELL: Object to the form.
19	Q. What I want to know	19	THE WITNESS: I believe so.
20	A. Do I believe that all forms of asbestos are	20	BY MR. ZELLERS:
21	associated with ovarian cancer? And the answer is	21	Q. Is it true that most, if not all, of the
22	yes.	22	studies that you have reviewed with respect to
23	Q. Is there a particular type of asbestos that	23	asbestos and ovarian cancer involve occupational
24	is primarily associated with ovarian cancer?	24	exposure?
25	MS. O'DELL: Objection. Asked and	25	MS. O'DELL: Object to the form.
			•
	Page 279		Page 281
1	Page 279	1	Page 281 THE WITNESS: That's correct.
1 2		1 2	
	answered.		THE WITNESS: That's correct.
2	answered. THE WITNESS: Not that I'm aware of.	2	THE WITNESS: That's correct. BY MR. ZELLERS:
2	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS:	2	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos
2 3 4	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with	2 3 4	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance?
2 3 4 5	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer?	2 3 4 5	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No.
2 3 4 5 6	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose.	2 3 4 5 6	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied
2 3 4 5 6 7	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos	2 3 4 5 6 7	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings?
2 3 4 5 6 7 8	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with?	2 3 4 5 6 7 8	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like
2 3 4 5 6 7 8	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before.	2 3 4 5 6 7 8	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in
2 3 4 5 6 7 8 9	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right?	2 3 4 5 6 7 8 9	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women.
2 3 4 5 6 7 8 9 10	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's	2 3 4 5 6 7 8 9 10	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have
2 3 4 5 6 7 8 9 10 11	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said.	2 3 4 5 6 7 8 9 10 11	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal
2 3 4 5 6 7 8 9 10 11 12 13	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with	2 3 4 5 6 7 8 9 10 11 12	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer?
2 3 4 5 6 7 8 9 10 11 12 13 14	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer.	2 3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in
2 3 4 5 6 7 8 9 10 11 12 13 14 15	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on	2 3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered. THE WITNESS: I don't think anybody knows that. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered. THE WITNESS: I don't think anybody knows that. BY MR. ZELLERS: Q. You've looked at studies that have explored	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy. Q. Well, the studies have acknowledged that it's
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	answered. THE WITNESS: Not that I'm aware of. BY MR. ZELLERS: Q. What dose of asbestos is associated with ovarian cancer? A. We don't know. Possibly any dose. Q. What type of ovarian cancer is asbestos associated with? I guess that goes back to the answer before. You don't know. Is that right? MS. O'DELL: Objection to form. That's not what he said. THE WITNESS: It's associated with epithelial ovarian cancer. BY MR. ZELLERS: Q. Does the type of ovarian cancer vary based on the type of asbestos? MS. O'DELL: Objection. Asked and answered. THE WITNESS: I don't think anybody knows that. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: That's correct. BY MR. ZELLERS: Q. Did any of the nonoccupational asbestos studies reach statistical significance? A. No. Q. Do you know how many women have been studied in nonoccupational settings? A. In this particular study, it looks like Italian wives of asbestos factory workers would be in nonindustrial settings is 1780 women. Q. Are you aware of the difficulties that have existed over time in distinguishing between peritoneal mesothelioma and ovarian cancer? A. I'm aware that there are some uncertainty in some pathologic diagnoses, yes. Q. Those difficulties potentially affect the reliability of the studies; is that right? A. Well, I think both epithelial ovarian cancer and mesothelioma of the ovary or peritoneum are both malignancy. Q. Well, the studies have acknowledged that it's difficult to distinguish between the two, between

1 Q. And the Reid study, again, makes that 2 finding. On the first page, in the right-hand column, 3 Number 2, "Difficulties with Diagnosis"; is that 4 right? 5 A. Yes. 6 Q. Have the studies addressed confounding and 5 independent risk factors? 7 MS, O'DELL: Object to the form. 9 THE WITNESS: Well, I'm certain that 10 I would be quite confident that they didn't evaluate 11 these women, whether they had a BRCA1 or 2 mutation or 12 not, and other risk factors were not included. 13 BY MR, ZELLERS: 14 Q. Well, Camargo 2011. That's another study 15 that you put in one of your folders in preparation for 16 today; is that right? 17 A. Yeah. 18 Q. That study acknowledged an inability to 19 account for nonoccupational risk factors for ovarian 20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Q. And they acknowledge, as we spoke just a 27 moment ago, that they could not account for 28 a moment ago, that they could not account for 29 a monoccupational risk factors for ovarian cancer other 29 than age; is that right? 20 Q. And they acknowledge, as we spoke just a 21 moment ago, that they could not account for 22 monoccupational risk factors for ovarian cancer other 24 than age; is that right? 25 A. Yes. 26 Page 283 27 Q. And they acknowledge, as we spoke just a 28 moment ago, that they could not account for 29 nonoccupational risk factors for ovarian cancer other 29 than age; is that right? 20 Q. And they acknowledge, as we spoke just a 21 moment ago, that they could not account for 22 g. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Page 283 27 Q. And they acknowledge, as we spoke just a 28 moment ago, that they could not account for 29 a moment ago, that they could not account for 29 a moment ago, that they could not account for 29 a moment ago, that they could not account	age 284
2 finding. On the first page, in the right-hand column, 3 Number 2, "Difficulties with Diagnosis"; is that 4 right? 5 A. Yes. 6 Q. Have the studies addressed confounding and 7 independent risk factors? 8 MS. OTDELL: Object to the form. 9 THE WITNESS: Well, I'm certain that 10 I would be quite confident that they didn't evaluate these women, whether they had a BRCA1 or 2 mutation or not, and other risk factors were not included. 11 BY MR. ZELLERS: 12 Q. Well, Camargo 2011. That's another study 13 that you put in one of your folders in preparation for today; is that right? 14 Q. Well, Camargo 2011. That's another study 15 that you put in one of your folders in preparation for today; is that right? 16 A. Yesh. 17 A. Yeah. 18 Q. That study acknowledged an inability to account for nonccupational risk factors for ovarian cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis to evaluate the association between asbestos and ovarian cancer; is that right? 22 A. Yes. 23 to evaluate the association between asbestos and ovarian cancer; is that right? 24 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? 25 A. Yes. 26 Q. And they acknowledge, as we spoke just a monoccupational risk factors for ovarian cancer other than age; is that right? 26 A. Yes. 27 Q. And they acknowledge, as we spoke just a monoccupational risk factors for ovarian cancer other than age; is that right? 28 A. I believe so. 4 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? 3 A. I believe so. 4 Q. And they acknowledge, as we spoke just a moment ago, that they could hot account for nonoccupational risk factors for ovarian cancer other than age; is that right? 5 A. I believe so. 6 Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women usin	ick factors
Number 2, "Difficulties with Diagnosis"; is that iright? A. Yes. Q. Have the studies addressed confounding and independent risk factors? M.S. O'DELL: Object to the form. THE WITNESS: Well, I'm certain that— I would be quite confident that they didn't evaluate these women, whether they had a BRCAI or 2 mutation or not, and other risk factors were not included. BY MR. ZELLERS: Q. You'd agree that exposure to asbestos the perincal cosmetic tale use, assuming that contains asbestos fibers, is different from the occupational exposure that's primarily been researched; is that right? M. O'DELL: Object to the form. THE WITNESS: Yes, I would agn that. BY MR. ZELLERS: Q. Vou'd agree that exposure to asbestos the perincal ecosmetic tale use, assuming that contains asbestos fibers, is different from the occupational exposure that's primarily been researched; is that right? M. O'DELL: Object to the form. THE WITNESS: Yes, I would agn that. BY MR. ZELLERS: Q. I hat study acknowledged an inability to account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Q. These researchers conducted a meta-analysis to evaluate the association between asbestos and ovarian cancer; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for an nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for an nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using tale, like mesothelioma, if they are being exposed to substantial amounts of asbestos? M. It has to do with the size of the fiber Q. Do you know how a cleavage fragm from an asbestos fiber? A. It has to do with the size of the fiber Q. Do you have any opinions about cle fragments in this case? A. I guess I think of a ca	
4 right? 5 A. Yes. 6 Q. Have the studies addressed confounding and independent risk factors? 7 independent risk factors? 8 MS. O'DELL: Object to the form. 9 THE WITNESS: Well, I'm certain that	
5 A. Yes. 6 Q. Have the studies addressed confounding and 7 independent risk factors? 8 MS. O'DELL: Object to the form. 9 THE WITNESS: Well, I'm certain that 10 I would be quite confident that they didn't evaluate 11 these women, whether they had a BRCAI or 2 mutation or 12 not, and other risk factors were not included. 13 BY MR. ZELLERS: 14 Q. Well, Camargo 2011. That's another study 15 that you put in one of your folders in preparation for 16 today; is that right? 17 A. Yeah. 18 Q. That study acknowledged an inability to 19 account for nonoccupational risk factors for ovarian 20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Q. And they acknowledge, as we spoke just a 27 moment ago, that they could not account for 28 nonoccupational risk factors for ovarian cancer other 29 than age; is that right? 20 Q. And they acknowledge, as we spoke just a 21 moment ago, that they could not account for 22 nonoccupational risk factors for ovarian cancer other 23 that. 24 ovarian cancer; is that right? 25 A. Yes. 26 Q. Also looking at Camargo, wouldn't you expect 27 to find higher rates of other cancers in women using 38 talc, like mesothelioma, if they are being exposed to 39 substantial amounts of asbestos? 30 MS. O'DELL: Object to the form. 31 THE WITNESS: The raw asbestos 31 encountered at a factory, if you 32 and account for 33 nonoccupational risk factors for ovarian cancer other 44 than age; is that right? 45 A. I believe so. 66 Q. Also looking at Camargo, wouldn't you expect 46 to find higher rates of other cancers in women using 47 that with the size of the fiber 48 that is part of platy talc. 49 vould have to inhale it to a quantity enough to cause 40 moment ago, that they could be - they 41 would have to inhale it to a quantity enough to cause 41 minute for the perincal region 41 moment ago, that they could not account for 42 no provide the provide factory befo	· more acout
6 Q. Have the studies addressed confounding and independent risk factors? 8 MS. O'DELL: Object to the form. 9 THE WITNESS: Well, I'm certain that — 10 I would be quite confident that they didn't evaluate these women, whether they had a BRCA1 or 2 mutation or not, and other risk factors were not included. 13 BY MR. ZELLERS: 14 Q. Well, Camargo 2011. That's another study 15 that you put in one of your folders in preparation for today; is that right? 16 today; is that right? 17 A. Yeah. 18 Q. That study acknowledged an inability to account for nonoccupational risk factors for ovarian cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis to evaluate the association between asbestos and ovarian cancer; is that right? 23 to evaluate the association between asbestos and ovarian cancer; is that right? 24 A. Yes. Page 283 1 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? 25 A. Yes. Page 283 1 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? 3 A. Yes. Page 283 1 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using tale, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. MS. O'DELL: Object to the form. THE WITNESS: The raw asbestos encountered at a factory, if you in the second to the five raw as bestos encountered at a factory, if you encountered at a factory before it's processed and ovarian cancer; is that right? Q. Do you know how	
moment ago, that right? A. Yes. Q. And they acknowledge, as we spoke just a moment ago, that they couldn't souldate than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they couldn't souldn't you expect than age; is that right? Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using alle, like mesothelioma, if they are being exposed to substantial amounts of asbestors? MS. O'DELL: Object to the form. THE WITNESS: Yes, I would agr that. BY MR. ZELLERS: Q. Is the asbestos that women are expose from using cosmetic tale qualitatively be sar researched; is that right? MS. O'DELL: Object to the form. THE WITNESS: The raw asbestos from a factory, if you asbestos cancountered at a factory, if you are asbestos encountered at a factory before it's processed encountered at a factory before it's processed and ovarian cancer; is that right? A. Yes. Page 283 1 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. A. I believe so. G. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using alle, like mesothelioma, if they are being exposed to substantial amounts of asbestors? MS. O'DELL: Object to the form. THE WITNESS: They would be they would be they would be they would be they are asbestors fibre? A	os through
MS. O'DELL: Object to the form. HE WITNESS: Well, I'm certain that lo I would be quite confident that they didn't evaluate these women, whether they had a BRCAI or 2 mutation or not, and other risk factors were not included. BY MR. ZELLERS: Co. Well, Camargo 2011. That's another study that you put in one of your folders in preparation for today; is that right? A. Yeah. O. That study acknowledged an inability to account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer; is that right? A. I believe so. Q. Als looking at Camargo, wouldn't you expect to substantial amounts of asbestos? MS. O'DELL: Object to the form. Page 283 Page 283 Page 283 A. I believe so. Q. Als looking at Camargo, wouldn't you expect to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be methey about the risk of ovarian cancer from talcu use; is that right? A. I guess I think of a case as a patient. A. I guess I think of a case as a patient. A. Yes. Q. Do you know how a cleavage fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. A. Yes. O. Do you intend to express any expert witness in this matter about cleavage fragments? MS. O'DELL: Object to fe form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. A. Yes. A. Yes. Co. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Object to fe form. THE WITNESS: Wes, I would agr that. BY MR. ZELLERS: Q. Do you know what a cleavage fragments? A. It has to do with the size of the fiber on the perineal region of the lung. A. It has contain an expert from talcu use; is that right? A. Yes. A. Yes. Co. Do you intend to express any expert in this matter	
THE WITNESS: Well, I'm certain that — I would be quite confident that they didn't evaluate these women, whether they had a BRCA1 or 2 mutation or not, and other risk factors were not included. BY MR. ZELLERS: Well, Camargo 2011. That's another study that you put in one of your folders in preparation for today; is that right? A. Yeah. C. That study acknowledged an inability to account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. C. These researchers conducted a meta-analysis to evaluate the association between asbestos and ovarian cancer; is that right? A. Yes. D. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Dage 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be — they would have to inhale it to a quantity enough to cause mesothelioma of the lung. Page 283 O. Are women who use tale in the perineal region MS. O'DELL: Object to to for inthis matter about cleavage fragments? MS. O'DELL: Object to to for inthis matter about cleavage fragments? MS. O'DELL: Objection to form	
I would be quite confident that they didn't evaluate these women, whether they had a BRCAI or 2 mutation or not, and other risk factors were not included. BY MR. ZELLERS: Q. Well, Camargo 2011. That's another study that you put in one of your folders in preparation for today; is that right? A. Yeah. Q. That study acknowledged an inability to account for nonoccupational risk factors for ovarian account for nonoccupational risk factors for ovarian and ovarian cancer; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? M. Holieve so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? M. Holieve so. Q. You serving as an expert witness in talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? M. Holieve so. Q. You serving as an expert witness in talc, like mesothelioma of the lung. M. Vell, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? M. Yes. Page 283 A. I don't know the answer to that. Q. Do you know how a cleavage fragment form an asbestos fiber? A. It has to do with the size of the fiber Q. Do you have any opinions about cle fragments in this case?	-
these women, whether they had a BRCAl or 2 mutation or not, and other risk factors were not included. BY MR. ZELLERS: Co. Well, Camargo 2011. That's another study that you put in one of your folders in preparation for today; is that right? A. Yeah. Co. That study acknowledged an inability to account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using tate, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: Yes, I would agr that. BY MR. ZELLERS: Q. Is the asbestos that women are expose from using cosmetic tale qualitatively the sa raw asbestos encountered at a factory, if you MS. O'DELL: Object to the form and asbestos encountered at a factory before it's processed. BY MR. ZELLERS: Q. Yes. BY MR. ZELLERS: Q. Yes. A. I don't know the answer to that. Q. Do you know how a cleavage fragment. Q. Do you know how a cleavage fragment. A. It has to do with the size of the fiber from an asbestos fiber? A. It has to do with the size of the fiber fragments in this case? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from taleu use; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? A. Yes. Q. Or you or vother to today talking gene about the risk of ovarian cancer from taleu use; is that ri	
12 not, and other risk factors were not included. 13 BY MR. ZELLERS: 14 Q. Well, Camargo 2011. That's another study 15 that you put in one of your folders in preparation for 16 today; is that right? 17 A. Yeah. 18 Q. That study acknowledged an inability to 18 account for nonoccupational risk factors for ovarian 20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Q. And they acknowledge, as we spoke just a 27 moment ago, that they could not account for 28 nonoccupational risk factors for ovarian cancer other 29 than age; is that right? 20 p. Do you know how a cleavage fragme 21 Q. And they acknowledge, as we spoke just a 22 moment ago, that they could not account for 23 nonoccupational risk factors for ovarian cancer other 24 than age; is that right? 25 A. I believe so. 26 Q. Also looking at Camargo, wouldn't you expect 27 to find higher rates of other cancers in women using 28 talc, like mesothelioma, if they are being exposed to 29 substantial amounts of asbestos? 20 MS. O'DELL: Object to the form. 21 THE WITNESS: Yes, I would agr that BY MR. ZELLERS: 20 Is the asbestos that women are expose from using cosmetic talc qualitatively the sal raw asbestos from using cosmetic talc qualitatively the sal raw asbestos encountered at a factory, if you ms. THE WITNESS: The raw asbestos encountered at a factory, if you ms. THE WITNESS: The raw asbestos encountered at a factory before it's processed to substantial amounts of asbestos or ovarian cancer other than account for a nonoccupational risk factors for ovarian analysis 22 Q. Yes. 23 A. I don't know the answer to that. 24 Q. Do you know how a cleavage fragme from an asbestos fiber? 25 A. It has to do with the size of the fiber of the fiber of the process of the substantial amounts of asbestos? 26 Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma,	n.
13 BY MR. ZELLERS: 14 Q. Well, Camargo 2011. That's another study 15 that you put in one of your folders in preparation for 16 today; is that right? 17 A. Yeah. 18 Q. That study acknowledged an inability to 19 account for nonoccupational risk factors for ovarian 20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. Page 283 1 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? 24 than age; is that right? 25 A. I believe so. 6 Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using tale, like mesothelioma, if they are being exposed to substantial amounts of asbestos? 29 MS. O'DELL: Object to the form. 20 cancer other than age; is that right? 30 conditional risk factors for ovarian cancer other than age; is that right? 4 than age; is that right? 5 A. I believe so. 6 Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using tale, like mesothelioma, if they are being exposed to substantial amounts of asbestos? 4 MS. O'DELL: Object to the form. 5 MS. O'DELL: Object to the form. 6 MS. O'DELL: Object to the form. 7 Q. You serving as an expert witness in this case? 8 A. I guess I think of a case as a patient. 9 Q. Well, you're here today talking gene about the risk of ovarian cancer from talcu use; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form 15 In this matter about cleavage fragments? MS. O'DELL: Objection to form	
that you put in one of your folders in preparation for today; is that right? A. Yeah. Q. That study acknowledged an inability to account for nonoccupational risk factors for ovarian account for nonoccupational risk factors and ovarian cancer; is that right? A. Yes. Q. These researchers conducted a meta-analysis to evaluate the association between asbestos and ovarian cancer; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using tale, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. P. Are women who use tale in the perineal region The word at a factory, if you are was asbestos encountered at a factory, if you as a traw asbestos encountered at a factory, if you are was abestos encountered at a factory, if you as cencountered at a factory she form. The witness is the right? A. Yes. Q. Yes. 22 Q. Yes. 23 A. I don't know the answer to that. Q. Do you know how a cleavage fragme from an asbestos fiber? A. It has to do with the size of the fiber fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in about the risk of ovarian cancer from talcuruse; is that right? A. Yes. Page 283 Page 283 A. It has to do with the size of the fiber of th	
that you put in one of your folders in preparation for today; is that right? A. Yeah. Q. That study acknowledged an inability to account for nonoccupational risk factors for ovarian A. Yes. Q. These researchers conducted a meta-analysis ovarian cancer; is that right? A. Yes. Q. These researchers conducted a meta-analysis ovarian cancer; is that right? A. Yes. Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. D. Are women who use talc in the perineal region The word at factory, if you are ware as a patient. Q. You serving as an expert witness in this case? A. I that to do with the size of the fiber of fragments in this case? A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	
17 A. Yeah. 18 Q. That study acknowledged an inability to 19 account for nonoccupational risk factors for ovarian 20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Q. And they acknowledge, as we spoke just a 27 moment ago, that they could not account for 28 nonoccupational risk factors for ovarian cancer other 29 than age; is that right? 30 po you know how a cleavage fragme 41 Q. And they acknowledge, as we spoke just a 42 moment ago, that they could not account for 43 nonoccupational risk factors for ovarian cancer other 44 than age; is that right? 45 A. I believe so. 66 Q. Also looking at Camargo, wouldn't you expect 47 to find higher rates of other cancers in women using 48 talc, like mesothelioma, if they are being exposed to 49 substantial amounts of asbestos? 40 MS. O'DELL: Object to the form. 41 THE WITNESS: They would be they 41 would have to inhale it to a quantity enough to cause 42 mesothelioma of the lung. 41 BY MR. ZELLERS: 42 Q. Do you know how a cleavage fragme 43 A. It has to do with the size of the fiber 44 Q. Do you have any opinions about cle 45 fragments in this case? 46 A. What case are we talking about? 47 Q. You serving as an expert witness in 48 A. I guess I think of a case as a patient. 49 Q. Well, you're here today talking gene 40 about the risk of ovarian cancer from talculuse; is that right? 40 Q. Do you intend to express any expert 41 D. A. Yes. 42 Q. Do you intend to express any expert 43 Q. Do you intend to express any expert 44 Q. Do you intend to express any expert 45 A. It has to do with the size of the fiber 46 Q. Do you intend to express any expert 47 Q. You serving as an expert witness in 48 A. I guess I think of a case as a patient. 49 Q. Do you intend to express any expert 40 Q. Do you intend to express any expert 41 In this matter about cleavage fragments? 42 Q. Do you intend to express any expert 43 D. You serving as	sed to
17 A. Yeah. 18 Q. That study acknowledged an inability to 19 account for nonoccupational risk factors for ovarian 20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Q. And they acknowledge, as we spoke just a 27 moment ago, that they could not account for 28 nonoccupational risk factors for ovarian cancer other 29 than age; is that right? 30 po you know how a cleavage fragme 41 provided than age; is that right? 42 provided they acknowledge, as we spoke just a 43 moment ago, that they could not account for 44 na age; is that right? 51 provided than age; is that right? 52 provided than age; is that right? 53 provided than age; is that right? 54 provided than age; is that right? 55 provided than age; is that right? 56 provided than age; is that right? 57 provided than age; is that right? 58 provided than age; is that right? 59 provided than age; is that right? 60 provided they acknowledge, as we spoke just a 61 provided than age; is that right? 62 provided they acknowledge, as we spoke just a 63 provided they acknowledge, as we spoke just a 64 provided they acknowledge, as we spoke just a 65 provided than age; is that right? 66 provided they acknowledge, as we spoke just a 67 provided than age; is that right? 68 provided than age; is that right? 79 provided than age; is that right? 80 provided that they are being exposed to 81 provided than age; is that right? 81 provided they acknowledge and analysis 82 provided that right? 82 provided that right? 83 provided that they are being exposed to 84 provided that they are being exposed to 85 provided that they are being exposed to 86 provided that right? 87 provided that a factory before it's processed to an all that a factory before it's processed to an all that a factory before it's processed to an all that a factory before it's processed to an all that a factory before it's processed to an all that a factory before it	
19 account for nonoccupational risk factors for ovarian 20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Page 283 1 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for a nonoccupational risk factors for ovarian cancer other than age; is that right? 26 A. I believe so. 27 do Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? 28 account for an asbestos fiber? 39 A. I that to do with the size of the fiber fragments in this case? 40 A. What case are we talking about? 41 A. Yes. 42 D. Do you know how a cleavage fragment from an asbestos fiber? 42 Q. Do you have any opinions about cle fragments in this case? 43 A. What case are we talking about? 44 Q. Do you have any opinions about cle fragments in this case? 41 A. What case are we talking about? 42 Q. You serving as an expert witness in about the risk of ovarian cancer from talculuse; is that right? 43 A. I guess I think of a case as a patient. 44 Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? 45 A. Yes. 46 Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? 47 A. Yes. 48 Q. Do you intend to express any expert in this matter about cleavage fragments? 49 Q. Do you intend to express any expert in this matter about cleavage fragments? 40 Q. Do you intend to express any expert in this matter about cleavage fragments?	ou know?
20 cancer other than age; is that right? 21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Page 283 1 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for 3 nonoccupational risk factors for ovarian cancer other than age; is that right? 4 La Felieve so. 6 Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? 1 MS. O'DELL: Object to the form. 2 mesothelioma of the lung. 3 mesothelioma of the lung. 4 Do you know how a cleavage fragme from an asbestos fiber? 4 Q. Do you know how a cleavage fragme from an asbestos fiber? 5 A. I that to do with the size of the fiber fragments in this case? 6 Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? 9 Q. You serving as an expert witness in A. I guess I think of a case as a patient. 9 Q. You would have to inhale it to a quantity enough to cause mesothelioma of the lung. 11 MS. O'DELL: Objection to form. 12 MS. O'DELL: Objection to form. 13 Q. Do you intend to express any expert in this matter about cleavage fragments? 14 MS. O'DELL: Objection to form.	
21 A. Yes. 22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. 26 Page 283 Page 283 Page 283 Page 283 Page 283 Page 283 Q. Do you know what a cleavage fragme from an asbestos fiber? A. It has to do with the size of the fiber from an asbestos fiber? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using at lac, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. Page 283 Page 284 A. It has to do with whe answer to that. Q. Do you know how a cleavage fragme from an asbestos fiber? A. It has to do with the size of the fiber Q. Do you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talcut use; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	tos
22 Q. These researchers conducted a meta-analysis 23 to evaluate the association between asbestos and 24 ovarian cancer; is that right? 25 A. Yes. Page 283 Page 283 Q. Do you know what a cleavage fragment and the part of platy talc. Page 283 Page 283 Q. Do you know how a cleavage fragment and the part of platy talc. Page 283 P	sed?
to evaluate the association between asbestos and ovarian cancer; is that right? A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. Page 283 Page 284 Q. Do you know how a cleavage fragment from an asbestos fiber? A. It has to do with the size of the fiber Q. Do you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	
24 ovarian cancer; is that right? 25 A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. Page 283 Page 283 Q. Do you know how a cleavage fragme from an asbestos fiber? A. It has to do with the size of the fiber quantity out expect fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talcut use; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	
25 A. Yes. Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. Page 283 Page 283 Q. Do you know how a cleavage fragm from an asbestos fiber? A. It has to do with the size of the fiber 4 Q. Do you have any opinions about cle 6 fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in 8 A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	
Page 283 Q. And they acknowledge, as we spoke just a moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. Page 283 Page 283 Q. Do you know how a cleavage fragm from an asbestos fiber? A. It has to do with the size of the fiber question as being exposed to substantial in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talcumuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	nent is?
1 Q. And they acknowledge, as we spoke just a 2 moment ago, that they could not account for 3 nonoccupational risk factors for ovarian cancer other 4 than age; is that right? 5 A. I believe so. 6 Q. Also looking at Camargo, wouldn't you expect 7 to find higher rates of other cancers in women using 8 talc, like mesothelioma, if they are being exposed to 9 substantial amounts of asbestos? 10 MS. O'DELL: Object to the form. 11 THE WITNESS: They would be they 12 would have to inhale it to a quantity enough to cause 13 mesothelioma of the lung. 14 BY MR. ZELLERS: 15 Q. Are women who use talc in the perineal region 1 Q. Do you know how a cleavage fragmant from an asbestos fiber? 2 from an asbestos fiber? 3 A. It has to do with the size of the fiber 4 Q. Do you have any opinions about cle fragments in this case? 4 A. What case are we talking about? 5 Q. You serving as an expert witness in 4 A. I guess I think of a case as a patient. 9 Q. Well, you're here today talking gene about the risk of ovarian cancer from talcumuse; is that right? 12 A. Yes. 13 mesothelioma of the lung. 14 BY MR. ZELLERS: 15 Q. Are women who use talc in the perineal region 15 MS. O'DELL: Objection to form	
moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. To you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	age 285
moment ago, that they could not account for nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. To you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	ment differs
nonoccupational risk factors for ovarian cancer other than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Do you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	,
than age; is that right? A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Do you have any opinions about cle fragments in this case? A. What case are we talking about? Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculuse; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	er.
A. I believe so. Q. Also looking at Camargo, wouldn't you expect to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. MS. A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talcut use; is that right? A. Yes. A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	leavage
to find higher rates of other cancers in women using talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. MS. D'DELLERS: Q. You serving as an expert witness in A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talcut use; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	
talc, like mesothelioma, if they are being exposed to substantial amounts of asbestos? MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region A. I guess I think of a case as a patient. Q. Well, you're here today talking gene about the risk of ovarian cancer from talculations about the risk of ovarian cancer from talculations is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	
9 substantial amounts of asbestos? 10 MS. O'DELL: Object to the form. 11 THE WITNESS: They would be they 12 would have to inhale it to a quantity enough to cause 13 mesothelioma of the lung. 14 BY MR. ZELLERS: 15 Q. Are women who use talc in the perineal region 19 Q. Well, you're here today talking gene about the risk of ovarian cancer from talcumuse; is that right? 10 use; is that right? 11 A. Yes. 12 Q. Do you intend to express any expert in this matter about cleavage fragments? 13 MS. O'DELL: Objection to form	in the
MS. O'DELL: Object to the form. THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region about the risk of ovarian cancer from talcut use; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	nt.
THE WITNESS: They would be they would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Are women who use talc in the perineal region THE WITNESS: They would be they use; is that right? A. Yes. Q. Do you intend to express any expert in this matter about cleavage fragments? MS. O'DELL: Objection to form	nerally
would have to inhale it to a quantity enough to cause mesothelioma of the lung. BY MR. ZELLERS: Q. Do you intend to express any expert in this matter about cleavage fragments? Q. Are women who use talc in the perineal region MS. O'DELL: Objection to form	cum powder
mesothelioma of the lung. 13 Q. Do you intend to express any expert 14 BY MR. ZELLERS: 15 Q. Are women who use talc in the perineal region 13 In this matter about cleavage fragments? 15 MS. O'DELL: Objection to form	
14 BY MR. ZELLERS: 15 Q. Are women who use talc in the perineal region 14 in this matter about cleavage fragments? 15 MS. O'DELL: Objection to form	
Q. Are women who use talc in the perineal region 15 MS. O'DELL: Objection to form	-
	m.
at greater risk of mesothelioma? 16 THE WITNESS: If asked.	
A. Not that I'm aware of. 17 BY MR. ZELLERS:	
Q. Are women who use talc in the perineal region 18 Q. Okay. What opinions do you have a	
19 at greater risk of asbestosis? 19 cleavage fragments? And, specifically, ho	
A. Not that I'm aware of.	
Q. If there was more asbestos in talcum powders 21 A. So it has to do with the ratio of leng	-
in the 1970s, shouldn't we have seen higher rates of width, and a cleavage factor has a less than	an 6:1
23 ovarian cancer in the earlier studies? 23 proportion. 24 O April in a class	
MS. O'DELL: Object to the form. 24 Q. Anything else? THE WITNESS: I think getting back to	ma amanta?
THE WITNESS: I think getting back to 25 A. You were asking about cleavage fra	ragments?

	Page 286		Page 288
1	Q. Yes. And I'm asking how it differs from an	1	in front of me, though.
2	asbestos fiber	2	BY MR. ZELLERS:
3	A. Asbestos needle is longer. It's either a	3	Q. You're not expressing opinions in this case
4	ratio of 6:1 up to less than 15:1.	4	on fragrance chemicals and heavy metals and any
5	Q. Anything else?	5	association fragrance chemicals and heavy metals may
6	A. And then fibers are considered greater than	6	have on ovarian cancer; correct?
7	15:1 ratio.	7	MS. O'DELL: Objection. Form.
8	Q. Asbestos fibers or cleavage fragments?	8	THE WITNESS: No. I am expressing an
9	A. Asbestos fibers.	9	opinion about that.
10	Q. How does a cleavage fragment differ from	10	BY MR. ZELLERS:
11	fibrous tale?	11	Q. What research have you done with respect to
12	A. I'm not sure I know the difference.	12	the fragrance chemical and trace amounts of heavy
13	Q. Does it make a difference to your theory and	13	metals that are contained in the talcum powder?
14	your opinions if it turns out that tale contains	14	MS. O'DELL: Objection to the form.
15	cleavage fragments of nonasbestiform amphiboles	15	Compound.
16	instead of asbestiform amphiboles?	16	THE WITNESS: It's my opinion that
17	MS. O'DELL: Objection.	17	talcum powder causes ovarian cancer, that talcum
18	THE WITNESS: I'm going to have to read	18	powder contains platy talc, fibrous talc, asbestos,
19	your question.	19	heavy metals three of them and fragrances.
20	BY MR. ZELLERS:	20	I'm not necessarily saying one of that list
21	Q. Sure. And if you don't have opinions, that's	21	is causing the cancer. It's the talcum powder the
22	okay. I'm just trying to find out what you have	22	baby talc baby powder and the Shower to Shower
23	opinions about.	23	that's causing the ovarian cancer.
24	A. No, I don't have an opinion.	24	BY MR. ZELLERS:
25	Q. You don't have opinions about whether or not	25	Q. I understand that, and I think I've asked you
	Page 287		Page 289
1	Page 287 regulatory action in this area rejects the idea that	1	Page 289 my questions with respect to that.
1 2		1 2	
	regulatory action in this area rejects the idea that		my questions with respect to that.
2	regulatory action in this area rejects the idea that science has established that cleavage fragments or	2	my questions with respect to that. What I'm asking about now is whether or not
2	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as	2 3	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or
2 3 4	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes.	2 3 4	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the
2 3 4 5	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address?	2 3 4 5	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be
2 3 4 5 6	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes.	2 3 4 5 6	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally
2 3 4 5 6 7	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum	2 3 4 5 6 7	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they
2 3 4 5 6 7 8	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer?	2 3 4 5 6 7 8	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product
2 3 4 5 6 7 8 9 10	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form.	2 3 4 5 6 7 8 9 10	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer.
2 3 4 5 6 7 8 9	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound.	2 3 4 5 6 7 8 9	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature
2 3 4 5 6 7 8 9 10	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form.	2 3 4 5 6 7 8 9 10 11 12 13	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in
2 3 4 5 6 7 8 9 10 11	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it.	2 3 4 5 6 7 8 9 10 11 12 13 14	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer?
2 3 4 5 6 7 8 9 10 11 12	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain,	2 3 4 5 6 7 8 9 10 11 12 13 14	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS: Q. That is your answer to my question?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS: Q. With respect to ovarian cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS: Q. That is your answer to my question? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS: Q. With respect to ovarian cancer. A. Not specifically to ovarian cancer. We
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS: Q. That is your answer to my question? A. Yes. Q. All right. Fragrance chemicals and heavy	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS: Q. With respect to ovarian cancer. A. Not specifically to ovarian cancer. We haven't studied that.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS: Q. That is your answer to my question? A. Yes. Q. All right. Fragrance chemicals and heavy metals, you're aware those are addressed in	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS: Q. With respect to ovarian cancer. A. Not specifically to ovarian cancer. We haven't studied that. Q. Do you have any evidence that the fragrance
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS: Q. That is your answer to my question? A. Yes. Q. All right. Fragrance chemicals and heavy metals, you're aware those are addressed in Dr. Crowley's report; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS: Q. With respect to ovarian cancer. A. Not specifically to ovarian cancer. We haven't studied that. Q. Do you have any evidence that the fragrance chemicals and trace heavy metals contained in
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS: Q. That is your answer to my question? A. Yes. Q. All right. Fragrance chemicals and heavy metals, you're aware those are addressed in Dr. Crowley's report; is that right? MS. O'DELL: Objection. Form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS: Q. With respect to ovarian cancer. A. Not specifically to ovarian cancer. We haven't studied that. Q. Do you have any evidence that the fragrance chemicals and trace heavy metals contained in Johnson's baby powder have been tested in human beings
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	regulatory action in this area rejects the idea that science has established that cleavage fragments or nonasbestiform amphiboles pose the same risk as asbestos; correct? You leave that to other experts to address? A. The regulatory portion, yes. Q. How, if at all, did you factor the difference between asbestiform and nonasbestiform minerals into your analysis of the relationship between talcum powder use and ovarian cancer? MS. O'DELL: Objection to the form. Compound. You may answer the question if you understand it. THE WITNESS: Well, I'm quite certain, based on IARC, that asbestiform minerals are carcinogenic. BY MR. ZELLERS: Q. That is your answer to my question? A. Yes. Q. All right. Fragrance chemicals and heavy metals, you're aware those are addressed in Dr. Crowley's report; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	my questions with respect to that. What I'm asking about now is whether or not you have made a separate analysis as to whether one or more of the fragrance chemicals or one or more of the trace heavy metals that have been reported to be contained in talcum powder, whether those are causally associated or a causal factor for ovarian cancer? A. In combination with the commercial product called baby powder and Shower to Shower, I think they all contribute to the outcome, which is ovarian cancer. Q. Are you relying on any scientific literature to support your opinion that some of the chemicals in Johnson's baby powder cause ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: We know that they can be carcinogenic. BY MR. ZELLERS: Q. With respect to ovarian cancer. A. Not specifically to ovarian cancer. We haven't studied that. Q. Do you have any evidence that the fragrance chemicals and trace heavy metals contained in

	Page 290		Page 292
1	A. I'm not aware of those studies.	1	Q. Or Shower to Shower?
2	Q. Is there any epidemiology, human studies,	2	A. No.
3	substantiating the theory that fragrance ingredients	3	Q. You've not done any independent testing of
4	can cause ovarian cancer?	4	that; correct?
5	A. Fragrance ingredients by themselves?	5	A. That's correct.
6	Q. Yes.	6	Q. How, if at all, did you factor the dose
7	A. I'm not aware of any study that's evaluated	7	fragrances and heavy or trace heavy metals into
8	that.	8	your analysis of the potential relationship between
9	Q. Is there any epidemiology study	9	those compounds and ovarian cancer?
10	substantiating the theory that fibrous talc is	10	A. I didn't factor in.
11	carcinogenic?	11	Q. Let me ask you a couple of questions about
12	A. IARC claims it is carcinogenic.	12	the Health Canada assessment and the Taher article.
13	Q. That it causes ovarian cancer, specifically?	13	Those are new materials that you reviewed between the
14	A. I believe so.	14	time of your report and appearing here today; is that
15	Q. You'd defer to IARC on that; is that right?	15	right?
16	MS. O'DELL: Object to the form.	16	A. That's correct.
17	THE WITNESS: Yes.	17	Q. Have you read the draft Health Canada risk
18	BY MR. ZELLERS:	18	assessment I'll provide you with a copy so we know
19	Q. Is there any epidemiology substantiating the	19	what we're speaking of.
20	theory that exposures to trace amounts of heavy	20	(Exhibit No. 29 was marked for identification.)
21	metals, allegedly, or that you believe are contained	21	MR. ZELLERS: Deposition Exhibit 29 is
22	in the Johnson's baby powder can cause ovarian cancer?	22	the draft Health Canada decision framework strike
23	A. I'm not aware that anybody's done a	23	that.
24	randomized trial in human beings with carcinogen	24	Exhibit 29 is the Health Canada
25	carcinogenic heavy metals to evaluate whether ovarian	25	Decision-Making Framework for Identifying, Assessing,
	Page 291		Page 293
1	cancer or any other cancer might occur.	1	and Managing Health Risks.
2	Q. Well, aside from a randomized clinical trial,	2	Is that not what he's reviewed?
3	are you aware of any other epidemiology substantiating	3	MS. O'DELL: If you're handing him that
4	the theory that exposures to trace amounts of the	4	and suggesting, that's not the health assessment that
5	heavy metals that are reported to be in the Johnson's	5	he's reviewed.
6	baby powder can cause ovarian cancer?	6	MR. ZELLERS: So do we have the health
7	MS. O'DELL: Object to the form.	7	assessment here? And, if not, we can just identify
8	THE WITNESS: I don't think that	8	it. But I do want to ask him a few questions about
9	anybody's ever studied that as a separate entity of	9	the
10	metals only exposed to the ovary.	10	MS. O'DELL: I do think we have it
11	BY MR. ZELLERS:	11	here. But, if you're going to ask him questions,
12	Q. You have no evidence that the blood or tissue	12	I would put it in front of him. So, if we don't have
	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital	12 13	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in
12 13 14	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right?	12 13 14	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him.
12 13 14 15	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct.	12 13 14 15	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever
12 13 14 15 16	 Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on 	12 13 14 15 16	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so
12 13 14 15 16 17	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals?	12 13 14 15 16 17	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health
12 13 14 15 16 17	 Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. 	12 13 14 15 16 17	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment.
12 13 14 15 16 17 18	 Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on 	12 13 14 15 16 17 18 19	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a
12 13 14 15 16 17 18 19	 Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? 	12 13 14 15 16 17 18 19 20	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment
12 13 14 15 16 17 18 19 20 21	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? A. Not necessarily.	12 13 14 15 16 17 18 19 20 21	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure.
12 13 14 15 16 17 18 19 20 21	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? A. Not necessarily. Q. Do you have any opinions or knowledge as to	12 13 14 15 16 17 18 19 20 21	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure. MS. O'DELL: because the copy I have
12 13 14 15 16 17 18 19 20 21 22 23	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? A. Not necessarily. Q. Do you have any opinions or knowledge as to the concentration of each of the fragrance chemicals	12 13 14 15 16 17 18 19 20 21 22 23	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure. MS. O'DELL: because the copy I have is marked up, and I know you prefer for me not to hand
12 13 14 15 16 17 18 19 20 21 22	Q. You have no evidence that the blood or tissue levels of any trace heavy metals are higher in genital talc users as compared to nonusers; is that right? A. That's correct. Q. Are your opinions in this case depending on talc containing carcinogenetic [sic] metals? A. Not necessarily. Q. Are your opinions in this case dependent on talc containing carcinogenetic [sic] fragrances? A. Not necessarily. Q. Do you have any opinions or knowledge as to	12 13 14 15 16 17 18 19 20 21	I would put it in front of him. So, if we don't have a hard copy, I'm happy to put my electronic copy in front of him. MR. ZELLERS: Well, please put whatever you think you need to put in front of the witness so he can answer a couple of questions about the Health Canada risk assessment. MS. O'DELL: Sure. Give me just a moment MR. ZELLERS: Sure. MS. O'DELL: because the copy I have

	Page 294		Page 296
1	MS. O'DELL: Doctor, if you want to	1	Canada?
2	just use my computer, feel free to	2	A. I wasn't aware as I said, I wasn't aware
3	THE WITNESS: Okay. I'm not real fast	3	that there were comments that could be made.
4	at running through a computer, but	4	Q. Outside of your litigation consulting work,
5	BY MR. ZELLERS:	5	do you generally rely on draft assessments by
6	Q. Hopefully, my questions will be pretty	6	regulatory agencies?
7	high-level.	7	MS. O'DELL: Object to the form.
8	You have in front of you the draft Health	8	THE WITNESS: I think it's something
9	Canada risk assessment; is that right?	9	that's worth looking at. It doesn't necessarily sway
10	A. On my tablet, yes.	10	my opinion, but could be useful additional information
11	Q. Have you looked into what other public health	11	that might be cutting edge.
12	authorities have had to say about tale and ovarian	12	BY MR. ZELLERS:
13	cancer?	13	Q. You don't cite or strike that.
14	A. Except for what the FDA has had to say.	14	You do not rely on draft regulatory
15	Q. The answer is, no, other than with respect to	15	assessments in your peer-reviewed publications and
16	what the FDA has said; is that right?	16	studies; is that right?
17	A. The answer is no.	17	MS. O'DELL: Object to the form. Asked
18	Q. Why would you rely on Health Canada but not	18	and answered.
19	other public health organizations?	19	THE WITNESS: Not usually, but don't
20	MS. O'DELL: Object to the form.	20	know what there's information there. If there's
21	THE WITNESS: It's my understanding	21	information I can extract from a draft of something
22	that this is very recent analysis of the issues	22	that's useful, I can use it.
23	regarding talcum powder and ovarian cancer and other	23	BY MR. ZELLERS:
24	harms.	24	Q. Are you familiar with the precautionary
25		25	principle?
	Page 295		Page 297
			5
1	BY MR. ZELLERS:	1	A. Slightly.
1 2	BY MR. ZELLERS: Q. You understand it's a draft assessment; is	1 2	
			A. Slightly.
2	Q. You understand it's a draft assessment; is	2	A. Slightly. Q. Basically, that means taking a precautionary
2	Q. You understand it's a draft assessment; is that right?	2	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need
2 3 4	Q. You understand it's a draft assessment; is that right?A. That's correct.	2 3 4	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence
2 3 4 5	Q. You understand it's a draft assessment; is that right?A. That's correct.Q. You understand that we're at the very	2 3 4 5	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and
2 3 4 5 6	Q. You understand it's a draft assessment; is that right?A. That's correct.Q. You understand that we're at the very beginning of the public comment period; is that right?	2 3 4 5 6	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect.
2 3 4 5 6 7	 Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. 	2 3 4 5 6 7	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right?
2 3 4 5 6 7 8	 Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. 	2 3 4 5 6 7 8	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah.
2 3 4 5 6 7 8	 Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: 	2 3 4 5 6 7 8	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have
2 3 4 5 6 7 8 9	 Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up 	2 3 4 5 6 7 8 9	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is
2 3 4 5 6 7 8 9 10	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all?	2 3 4 5 6 7 8 9 10	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right?
2 3 4 5 6 7 8 9 10 11 12	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware.	2 3 4 5 6 7 8 9 10 11 12	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read,
2 3 4 5 6 7 8 9 10 11 12 13	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS:	2 3 4 5 6 7 8 9 10 11 12 13	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health	2 3 4 5 6 7 8 9 10 11 12 13 14	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the its publication I'll hand it to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the its publication I'll hand it to you which we've marked as Exhibit 29, it is
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the its publication I'll hand it to you which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the its publication I'll hand it to you which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for Identifying, Assessing, and Managing Health Risks."
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment prior to its publication?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the its publication I'll hand it to you which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for Identifying, Assessing, and Managing Health Risks." Do you have that in front of you?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. You understand it's a draft assessment; is that right? A. That's correct. Q. You understand that we're at the very beginning of the public comment period; is that right? MS. O'DELL: Object to the form. THE WITNESS: I don't know that. BY MR. ZELLERS: Q. Are you aware that Health Canada can take up to two years to take any action or no action at all? MS. O'DELL: Object to the form. THE WITNESS: I was not aware. BY MR. ZELLERS: Q. How did you come to learn of the Health Canada risk assessment? A. It was brought to my attention by counsel. Q. By counsel for plaintiffs; is that right? A. That's correct. Q. Were you involved in the risk assessment prior to its publication? A. Was I involved?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Slightly. Q. Basically, that means taking a precautionary approach to decision-making that emphasizes the need to take timely preventative action even in the absence of a full scientific demonstration of cause and effect. Does that sound right? A. Sounds very reasonable, yeah. Q. You understand that Health Canada may have made recommendations that are purely precautionary; is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what I've read, yes. BY MR. ZELLERS: Q. I can go through the document for it if need be, but in the its publication I'll hand it to you which we've marked as Exhibit 29, it is captioned "Health Canada Decision-Making Framework for Identifying, Assessing, and Managing Health Risks." Do you have that in front of you? A. You've handed it to me, yes.

	Page 298		Page 300
1	Q. Sure.	1	BY MR. ZELLERS:
2	A. In the black box "Underlying Principles"?	2	Q. All right. Thayer 2018, that's a new and
3	Q. Yes, "Underlying Principles."	3	additional meta-analysis that you have reviewed?
4	One of the underlying principles is "use a	4	A. Yes.
5	precautionary approach"; is that right?	5	Q. Let's mark Thayer 2018 as Deposition
6	A. That's what it says.	6	Exhibit 30.
7	Q. If you go, then, to page 8, second paragraph,	7	(Exhibit No. 30 was marked for identification.)
8	second sentence, where Health Canada sets forth "use	8	BY MR. ZELLERS:
9	of a precautionary approach," the second sentence	9	Q. And you can tell us if this is
10	reads (as read):	10	A. I've got a copy.
11	"A precautionary approach to	11	Q. Well, take, if you will, the court
12	decision-making emphasizes the	12	deposition exhibit number. Just put it in your pile
13	need to take timely and	13	there so we can make sure we all understand what we're
14	appropriately preventative action	14	talking about.
15	even in the absence of a full	15	You have seen this review before; is that
16	scientific demonstration of cause	16	right?
17	and effect."	17	A. Yes, I have.
18	Did I read that correctly?	18	Q. The Health Canada risk assessment that you
19	A. Yes, sir.	19	looked at a few moments ago relies on this
20	Q. So a recommendation by Health Canada does not	20	meta-analysis by Thayer and others; is that right?
21	require a finding of causation like is required in a	21	A. That's my understanding. They may use other
22	court. Does that sound right based upon what we have	22	information too.
23	reviewed here?	23	Q. Do you know whether or not Thayer 2018 has
24	MS. O'DELL: Object to the form.	24	been peer-reviewed?
25	THE WITNESS: I'm not sure what the	25	A. I'm not aware of that.
	Page 299		Page 301
1	requirements are for court. I understand the	1	Q. Do you know if it has been submitted for
2	precautionary portion here.	2	publication?
3	BY MR. ZELLERS:	3	A. I do not know.
4	Q. And you also understand that, with the use of	4	Q. How can you rely on the Health Canada risk
5	a precautionary approach, that action can be taken	5	assessment without assessing the quality of one of the
6	even in the absence of a full scientific demonstration	6	major studies on which they rely?
7	of cause and effect?	7	MS. O'DELL: Objection to form.
8	MS. O'DELL: Objection to form.	8	THE WITNESS: And the major study
_	THE WITNESS: What action are you	9	you're referring to is Thayer?
9	•		
10	talking about?	10	BY MR. ZELLERS:
10 11	talking about? BY MR. ZELLERS:	11	Q. Yes.
10 11 12	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of	11 12	Q. Yes.A. Let me read the first part of your question
10 11 12 13	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment.	11 12 13	Q. Yes.A. Let me read the first part of your question here.
10 11 12 13 14	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form.	11 12 13 14	Q. Yes.A. Let me read the first part of your question here.So I'm not saying that I rely on the Health
10 11 12 13 14 15	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not	11 12 13 14 15	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece
10 11 12 13 14 15	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding.	11 12 13 14 15	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me
10 11 12 13 14 15 16	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS:	11 12 13 14 15 16	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my
10 11 12 13 14 15 16 17	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada	11 12 13 14 15 16 17	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion.
10 11 12 13 14 15 16 17 18	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes.	11 12 13 14 15 16 17 18	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to
10 11 12 13 14 15 16 17 18 19	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk	11 12 13 14 15 16 17 18 19 20	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to my opinion. I didn't see this before I created my
10 11 12 13 14 15 16 17 18 19 20 21	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of	11 12 13 14 15 16 17 18 19 20 21	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to my opinion. I didn't see this before I created my opinion.
10 11 12 13 14 15 16 17 18 19 20 21 22	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of cause and effect?	11 12 13 14 15 16 17 18 19 20 21	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to my opinion. I didn't see this before I created my opinion. Q. Do you know if Thayer 2018 employed a
10 11 12 13 14 15 16 17 18 19 20 21 22 23	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of cause and effect? A. I understand.	11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to my opinion. I didn't see this before I created my opinion. Q. Do you know if Thayer 2018 employed a reliable methodology?
10 11 12 13 14 15 16 17 18 19 20 21 22	talking about? BY MR. ZELLERS: Q. Well, decision-making, any sort of assessment. MS. O'DELL: Objection to form. THE WITNESS: I'm still not understanding. BY MR. ZELLERS: Q. Sure. Health Canada A. Yes. Q does not need, in terms of its risk assessment, to have a full scientific demonstration of cause and effect?	11 12 13 14 15 16 17 18 19 20 21	Q. Yes. A. Let me read the first part of your question here. So I'm not saying that I rely on the Health Canada risk for my total opinion. It's another piece of evidence and information that's helpful in me coming to my opinion. And this only supports my opinion. Bradford Hill's breakdown is very similar to my opinion. I didn't see this before I created my opinion. Q. Do you know if Thayer 2018 employed a

	Dama 202		Dama 204
	Page 302		Page 304
1	Q. Did you have access to the appendices or	1	point?
2	supplemental tables referenced in the Thayer	2	A. I do not disagree with the author on that
3	meta-analysis?	3	point.
4	A. I did not.	4	Q. One of the Bradford Hill criteria that we've
5	Q. Do you know the source of funding for Thayer	5	discussed is consistency; is that right?
6	2018 meta-analysis?	6	A. Yes.
7	A. If it was listed on here, I should have	7	Q. Look at Thayer 2018. So Exhibit 30, page 25,
8	picked it up. If not, then I don't know the answer to	8	Table 2.
9	your question.	9	Do you have that?
10	Q. Do you know the credentials of the authors of	10	A. Yes.
11	Thayer 2018?	11	Q. Table 2 is entitled "Summary of Evidence for
12	A. None other than what are listed on the cover	12	Each of the Hill Criteria of Causation as Applied to
13	sheet of this paper.	13	Perineal Application of Talc and Ovarian Cancer."
14	Q. Do you personally know any of the authors of	14	Is that right?
15	Thayer 2018?	15	A. I'm sorry. What were you reading where
16	A. No, sir.	16	were you reading from?
17	Q. Do you know whether or not any of those	17	Q. Sure. Table 2 on page 25
18	authors have conflicts of interest or potential	18	A. Right.
19	conflicts of interest?	19	Q is captioned "Summary of Evidence for Each
20	A. Do not know.	20	of the Hill Criteria of Causation as Applied to
21	Q. In Thayer 2018, the authors concluded that	21	Perineal Application of Talc and Ovarian Cancer."
22	"The evidence suggests that asbestos contamination	22	A. Yes.
23	does not explain the positive association between	23	Q. And they kind of go through the same Bradford
24	perineal use of talc powder and ovarian cancer."	24 25	Hill factors that you do; is that right?
25	Is that right?	25	A. Yes.
	Page 303		Page 305
1	MS. O'DELL: Mike, what page are you	1	Q. Under "Consistency," they said that
2	reading from?	2	(as read):
3	MR. ZELLERS: Page 41, last sentence.	3	"15 out of 30 studies reported
4	So we're on Deposition Exhibit 30, the Thayer	4	positive and significant
5	meta-analysis, page 41, last part.	5	associations."
6	MS. O'DELL: Thank you.	6	Is that right?
7	BY MR. ZELLERS:	7	A. That's right.
8	Q. Doctor, I really just have a really simple	8	Q. We're back to, similar with Langseth, half
9	question.	9	the studies showing significant associations and half
10	A. Okay.	10	the studies don't. Thayer reports that same findings
11	Q. So the authors conclude or state that	11	here; is that right?
12	(as read):	12	A. Yes, but not all studies have the same
13	"The similarity of findings	13	weight.
		14	Q. And we've discussed that before; is that
14	between studies published prior to		
15	and after this point suggest	15	right?
15 16	and after this point suggest asbestos contamination does not	15 16	A. Yes. I just wanted to bring it up again,
15 16 17	and after this point suggest asbestos contamination does not explain the positive association	15 16 17	A. Yes. I just wanted to bring it up again, since we're talking about that topic.
15 16 17 18	and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc	15 16 17 18	A. Yes. I just wanted to bring it up again, since we're talking about that topic.Q. Let's go to "no dose response." And that was
15 16 17 18 19	and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian	15 16 17 18 19	A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement.
15 16 17 18 19 20	and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer."	15 16 17 18 19 20	A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement. Go to page 21, if you will, second
15 16 17 18 19 20 21	and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right?	15 16 17 18 19 20 21	A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences.
15 16 17 18 19 20 21 22	and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right? MS. O'DELL: Object to the form.	15 16 17 18 19 20 21 22	A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences. Do you have that?
15 16 17 18 19 20 21 22 23	and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right? MS. O'DELL: Object to the form. THE WITNESS: That's what they say.	15 16 17 18 19 20 21 22 23	A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences. Do you have that? MS. O'DELL: What page are you on?
15 16 17 18 19 20 21 22	and after this point suggest asbestos contamination does not explain the positive association between perineal use of talc powder and risk of ovarian cancer." Is that right? MS. O'DELL: Object to the form.	15 16 17 18 19 20 21 22	A. Yes. I just wanted to bring it up again, since we're talking about that topic. Q. Let's go to "no dose response." And that was your well, let me withdraw that statement. Go to page 21, if you will, second paragraph, last few sentences. Do you have that?

Page 306 Page 308 THE VIDEOGRAPHER: Going off the record 1 BY MR. ZELLERS: 1 2 O. The authors here in this section are 2 at 4:36 p.m. 3 3 (Recess taken from 4:36 p.m. to 4:44 p.m.) discussing whether or not there is a dose response and THE VIDEOGRAPHER: Back on the record 4 dose response findings in the studies; is that right? 5 5 at 4:44 p.m. A. Yes. CROSS-EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS 6 Q. They conclude at the very end -- and I'm 6 7 looking on page 21, the last sentence above 3.3.2 BY MS. BOCKUS: 8 8 Q. Doctor, I just want to be sure that what we (as read): 9 "When conducted, findings from 9 have marked so far will provide us with copies of all 10 trend analyses were not 10 of your handwritten notes. consistent." 11 11 A. Certainly. 12 Do you see that? 12 Q. Okay. Are there some handwritten notes that 13 A. Yes, I do. 13 are not on the table in front of you right now? 14 Q. The authors recognize that there's no 14 A. Yeah. There's some in these files and 15 consistent dose response across studies, and you agree 15 some -- like this, with sticky notes. 16 with that; is that right? 16 Q. And that's what I'm looking for. I want to 17 MS. O'DELL: Objection to form. 17 make sure I get all your sticky notes and all of the THE WITNESS: I think there's some 18 18 notations that you have made in your review of the 19 evidence there's dose response. Some studies don't do 19 20 enough to evaluate for dose response, especially the 20 And so when we get -- it looks like there 21 cohort studies that are pretty well destroyed back on 21 are two binders that have flags and that sort of thing 22 page 43. in them. Are there notes in the binders that are over 23 BY MR. ZELLERS: 23 on the table? 24 Q. Some studies find dose response and some 24 A. No, ma'am. 2.5 studies don't; correct? 25 O. Okav. So other than the binders and the Page 307 Page 309 1 MS. O'DELL: Objection to form. 1 materials that are on the table, do you have 2 THE WITNESS: That's correct. 2 handwritten notes somewhere else? 3 BY MR. ZELLERS 3 A. No. 4 Q. Earlier today, you were asked a question --4 Q. And that's true of case-control studies; is 5 5 I think it was about the FDA letter -- and you thought that right? 6 6 you had some handwritten notes on that. Do you know A. Yes. 7 7 Q. I want to go back to a question I had asked where those might be? 8 8 A. I don't recall now. You know, it was a 9 When you do surgery and you see 9 sticky note. Just what I've been trying to do is 10 inflammation, would you agree that inflammation that 10 abstract these papers to a few facts that I think are 11 you see is likely related to the cancer itself? 11 important. It's not personal opinions or other things 12 12 A. So let me clarify so we don't get confused. like that; it's just trying to move the conversation 13 13 The inflammation that I see is purely Q. Would you agree that in general ovarian 14 ascites. The rest -- which is fluid in the abdomen 14 15 either caused by the cancer or by inflammation. 15 cancer is a disease of aging? 16 Q. The ascites can be caused by the cancer 16 MS. O'DELL: Objection to form. 17 itself; correct? 17 THE WITNESS: That is one of the risk 18 A. Yes. 18 factors, yes. 19 19 MR. ZELLERS: I have no further BY MS. BOCKUS: 20 questions. Some of my colleagues may have questions 20 Q. That very few women are diagnosed with 21 for you. Thank you for your time. 21 ovarian cancer who are under 30 years of age; correct? 22 THE WITNESS: Thank you. 22 A. With epithelial ovarian cancer, yes. 23 23 MS. BOCKUS: Could we take a quick Q. And that risk -- so the numbers are different 24 break so that we can change places? 24 depending which type of ovarian cancer you're talking 25 MS. O'DELL: Sure. 25 about; correct?

	Page 310		Page 312
-		,	
1 2	A. Yes. Q. So confining it to epithelial ovarian cancer,	1 2	tell them what caused the genetic mutation that caused their cancer?
3	that risk starts to rise in the 30s and rises even	3	MS. O'DELL: Object to the form.
4	more in the 40s, 50s, and 60s; correct?	4	THE WITNESS: Aside from the inherited
5		5	BRCA mutations and Lynch syndrome, in general, no, we
5 6	A. Yes, that's my understanding.	6	
-	Q. And in the 60s, it kind of levels off	7	can't. BY MS. BOCKUS:
7	A. In the 60s or 70s. I've forgotten what the	8	
8	curves look like exactly.		Q. Would you agree that what we know today about
9	Q. And other than being female of a certain age,	9 10	what causes ovarian cancer is actually dwarfed by what
10	most patients who you see, you don't have any idea of what caused their ovarian cancer; correct?	11	we don't yet know about the cause of ovarian cancer?
11	· · · · · · · · · · · · · · · · · · ·	12	MS. O'DELL: Object to form.
12	MS. O'DELL: Object to the form.		THE WITNESS: I think it's fair to say
13	THE WITNESS: Again, I get back to my	13 14	we know some risk factors. BY MS. BOCKUS:
14	theme about gene mutation. Something caused the gene mutation to cause that normal cell that's mutated now		
15		15	Q. But we're learning new risk factors and new
16	to become malignant.	16	genetic mutations all the time; correct?
17	BY MS. BOCKUS:	17	MS. O'DELL: Object to the form.
18	Q. Exactly. Somewhere along the aging process,	18	THE WITNESS: In general, we're moving
19	perhaps, or through some exposure, there's been a gene	19	along those lines in research.
20	mutation and well, let me stop there. Scratch all	20	BY MS. BOCKUS:
21	that.	21	Q. I just want to be clear. Is it your position
22	It actually takes multiple gene mutations	22	that being powdered as an infant with talc increases
23	for a cancer to begin, does it not?	23	that person's risk of being diagnosed with ovarian
24	A. That's our understanding.	24	cancer as a woman?
25	Q. Our understanding is that several things	25	A. I think it's the sustained exposure more than
	Page 311		Page 313
1	Page 311 happen have to happen before a cancer cell is	1	Page 313 if an infant was just received talcum powder and
1 2		1 2	
	happen have to happen before a cancer cell is		if an infant was just received talcum powder and
2	happen have to happen before a cancer cell is formed; correct?	2	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s,
2	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the	2	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at
2 3 4	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is.	2 3 4	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk.
2 3 4 5	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it	2 3 4 5	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby
2 3 4 5 6	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A	2 3 4 5 6	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of
2 3 4 5 6 7	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct?	2 3 4 5 6 7	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer?
2 3 4 5 6 7 8	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A	2 3 4 5 6 7 8	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1,	2 3 4 5 6 7 8	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through
2 3 4 5 6 7 8 9	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then	2 3 4 5 6 7 8 9	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an	2 3 4 5 6 7 8 9 10	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly
2 3 4 5 6 7 8 9 10 11	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then	2 3 4 5 6 7 8 9 10 11	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can
2 3 4 5 6 7 8 9 10 11 12	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets	2 3 4 5 6 7 8 9 10 11 12	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct? A. Yes, in general.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct? A. Yes, in general. Q. So back to my prior question, when patients	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that tale can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes. BY MS. BOCKUS: Q. In order for a cancer to be called a cancer,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	happen have to happen before a cancer cell is formed; correct? A. That's our usual understanding of what the onset of cancer is. Q. And our general understanding is that it takes decades for that to happen, generally speaking; correct? A. It depends upon what the mutations are. A woman that's born with a genetic mutation of BRCA1, for example, already has some mutations. So that's why we believe they develop ovarian cancer at an earlier age. Just a couple more mutations, and then the ovarian cancer starts. Whereas a woman that doesn't have a BRCA1 mutation, as she gets older, she obtains or gets mutations over time. And the longer you live, the more likely you are to have those mutations to become ovarian cancer. Q. And one of the things that happens over time is our body's ability to fight off detected mutations decreases; correct? A. Yes, in general.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	if an infant was just received talcum powder and then never continued to use it into her 20s, 30s, 40s, and 50s, my opinion would be that infant is not at particularly high risk. Q. Is it your opinion that powdering one's baby with talcum powder increases the mother's risk of ovarian cancer? MS. O'DELL: Object to the form. THE WITNESS: So just just through inhaled? I believe that there's not enough evidence to say that. BY MS. BOCKUS: Q. Okay. And so fair to say that you're truly confining your opinion to the theory that talc can travel from the perineum to the ovary and cause ovarian cancer that way; is that correct? A. And cause MS. O'DELL: Object to the form. Excuse me. THE WITNESS: cause chronic irritation and inflammation, yes. BY MS. BOCKUS:

Page 314 Page 316 1 MS. O'DELL: Object to the form. 1 A. It might be. 2 THE WITNESS: I think cancers -- if 2 Q. Is chronic inflammation associated -- well, 3 3 I understand what you're saying, some cancers also let me back up. 4 replicate rapidly and then slow down and may be 4 You testified earlier that you would not 5 5 expect to see signs of chronic inflammation at the indolent for a period of time. 6 6 So the timeline of onset of cancer to death, time you operate on a woman with ovarian cancer; is 7 which is, I guess, the timeline, can vary from one 7 that correct? 8 8 MS. O'DELL: Object to the form. patient to another. 9 BY MS. BOCKUS: 9 THE WITNESS: Yes, that's true. 10 10 Q. Cancer needs to develop the ability to evade BY MS. BOCKUS: 11 11 apoptosis; correct? Q. Why would you no longer see the signs of 12 12 chronic inflammation at the time of her surgery for A. I'm sorry? 13 13 Q. Evade apoptosis. ovarian cancer? A. Yeah, that's sort of -- by definition, cancer 14 A. One, I'm not sure we know the signs that a 14 15 has already evaded apoptosis. 15 surgeon would identify as chronic inflammation to my 16 16 Q. Exactly. naked eye or to my field. 17 17 Cancer also needs to develop sustained Two, most of the time in women with ovarian 18 angiogenesis; correct? 18 cancer, three-quarters of the women I take care of 19 A. It needs to derive a blood supply, and 19 have cancer spread throughout their abdomen and 20 angiogenesis is the blood supply. 20 pelvis, with cancer everywhere, so that -- I mean, we 21 Q. It needs the ability to invade other tissue 21 don't -- I don't know how to identify chronic 22 and metastasize; correct? 22 inflammation. I suggested that ascites has something 23 MS. O'DELL: Object to the form. 23 to do with inflammation but not always. 24 THE WITNESS: I'm not sure it needs to. 24 Q. And the ascites could come from the cancer 25 25 itself; correct? I mean, in general, the time course is one of invasion Page 315 Page 317 1 1 A. Yes. or metastasis or both. 2 2 Q. What would signs of chronic inflammation in BY MS. BOCKUS: 3 Q. Okay. Which of those steps do you believe 3 the fallopian tubes be? 4 4 MS. O'DELL: Object to the form. talc contributes to? 5 MS. O'DELL: Objection to form. 5 THE WITNESS: I don't think there's any 6 THE WITNESS: I believe talc 6 signs that I'm aware of that recognize -- or would be 7 7 identified as chronic inflammation. contributes to the first onset -- or the additional or 8 8 BY MS. BOCKUS: first onset of mutations that then lead on to cancer. 9 9 Q. Is chronic inflammation something that could BY MS. BOCKUS: 10 Q. What -- in what gene does the mutation occur 10 be identified by a pathologist? 11 in that talc impacts? 11 A. It might be. 12 12 Q. Do you know whether there have been any MS. O'DELL: Object to the form. THE WITNESS: Some genes -- SNPs that 13 studies looking at -- looking for signs of chronic 13 inflammation in women whose fallopian tubes have been 14 Dr. Saed has identified are what we know, I think, to 14 date. We know there's other genetic mutations that removed as part of any of the studies that you cite? 15 15 MS. O'DELL: Object to the form. 16 are present in the somatic form of ovarian cancer as 16 17 well as the inherited genes. 17 THE WITNESS: I'm sorry. They've had 18 But I don't think anybody has studied that 18 their fallopian tubes removed? 19 19 BY MS. BOCKUS: in correlation with talc exposure, so that would be an 20 interesting investigation to undertake. 20 Q. And looked at by a pathologist, yes. And 21 BY MS. BOCKUS: 21 it's reported in the studies. 22 Q. Inflammation -- chronic inflammation, is that 22 A. Signs of chronic inflammation of the 23 23 associated with pain? fallopian tube? I'm not aware of that, no. 24 24 A. With pain? Q. Okay. Would you expect a woman who is using 25 25 talcum powder regularly to have signs of inflammation Q. Yes.

	Page 318		Page 320
1	in her fallopian tubes?	1	THE WITNESS: I'm not sure how much
2	MS. O'DELL: Objection. Form.	2	greater. It's greater as women age.
3	THE WITNESS: Again, the signs of	3	BY MS. BOCKUS:
4	chronic inflammation are vague and not well defined in	4	Q. You indicated that not using birth control
5	terms of what a pathologist would see. If they did	5	pills causes ovarian cancer.
6	molecular testing for example, the reason we now	6	Did I understand you correctly?
7	believe that most ovarian cancers arise in the	7	MS. O'DELL: Object to the form.
8	fallopian tube is by doing molecular testing of the	8	THE WITNESS: It allows, more likely
9	fallopian tube and seeing p53 mutations and early	9	than not, more mutations to occur as the patient
10	cancers arising from the fallopian tube that then	10	ovulates rather than having ovulation suppression by
11	metastasize to the ovary in the peritoneal cavity. So	11	birth control pills.
12	that's a molecular biology approach that pathologists	12	BY MS. BOCKUS:
13	don't usually do unless it's in a research setting.	13	Q. Okay. Do you believe that that mechanism is
14	BY MS. BOCKUS:	14	supported in light of the fact that it is now believed
15	Q. Is it your belief that pathologists cannot	15	that cancers originate in the fallopian tubes?
16	identify chronic inflammation in tissue samples that	16	A. Yes, I think it's hormonal changes in the
17	they examine?	17	fallopian tubes as well as the ovary.
18	MS. O'DELL: Objection. Form.	18	Q. Okay. Do you know to what what are the
19	THE WITNESS: I think they can identify	19	odds ratios for a woman developing ovarian cancer who
20	it on some occasions on H&E slides. Is that what	20	has never used birth control pills compared to women
21	you're talking about?	21	who have?
22	BY MS. BOCKUS:	22	A. There's one statistic, I think, that is
23	Q. Yes.	23	pretty well agreed upon is that women who used birth
24	A. I think they can see it sometimes.	24	control pills for five years have about a 50 percent
25	Q. And do you know if chronic inflammation is	25	reduction in the lifetime risk of ovarian cancer.
	Page 319		Page 321
1		1	
1 2	reported as existing in the fallopian tubes in any of	1 2	Page 321 Q. In your report on page 4, at the bottom, you talk about EOC risk factors.
	reported as existing in the fallopian tubes in any of the studies that you have cited in your report?		Q. In your report on page 4, at the bottom, you talk about EOC risk factors.
2	reported as existing in the fallopian tubes in any of	2	Q. In your report on page 4, at the bottom, you
2	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and	2	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about?
2 3 4	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered.	2 3 4	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am.
2 3 4 5	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of,	2 3 4 5	 Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read):
2 3 4 5 6	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no.	2 3 4 5 6	 Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing
2 3 4 5 6 7	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS:	2 3 4 5 6 7	 Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent
2 3 4 5 6 7 8	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm	2 3 4 5 6 7 8	 Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers."
2 3 4 5 6 7 8	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that	2 3 4 5 6 7 8	 Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per
2 3 4 5 6 7 8 9	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay.	2 3 4 5 6 7 8 9	 Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes.
2 3 4 5 6 7 8 9 10	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that	2 3 4 5 6 7 8 9 10	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime?
2 3 4 5 6 7 8 9 10 11	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer?	2 3 4 5 6 7 8 9 10 11	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9 10 11 12	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer?	2 3 4 5 6 7 8 9 10 11 12	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do
2 3 4 5 6 7 8 9 10 11 12 13	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and,	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 60s compared to a woman	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 60s compared to a woman in her 30s?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes. Q. Okay. And then going on, women who carry the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 30s? A. I'd have to look at some statistical tables.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes. Q. Okay. And then going on, women who carry the BRCA2 mutation, it would be 110 to 270 out of 1,000 in
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 60s compared to a woman in her 30s? A. I'd have to look at some statistical tables. I'm sure it's available.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes. Q. Okay. And then going on, women who carry the BRCA2 mutation, it would be 110 to 270 out of 1,000 in their lifetime would develop ovarian cancer; is that
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	reported as existing in the fallopian tubes in any of the studies that you have cited in your report? MS. O'DELL: Objection. Asked and answered. THE WITNESS: Not that I'm aware of, no. BY MS. BOCKUS: Q. I'm going to be jumping around a lot, and I'm just going to apologize in advance for that A. Okay. Q but so much of what I was going to ask you has already been covered. Did I understand you correctly to say that it is your belief that age causes ovarian cancer? A. Age causes ovarian cancer? Q. Yes. A. Age allows time for mutations to occur; and, therefore, ovarian cancer comes from that. Q. Do you know what the relative risk of ovarian cancer is for a woman in her 30s? A. I'd have to look at some statistical tables.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. In your report on page 4, at the bottom, you talk about EOC risk factors. Can you see where I'm talking about? A. Yes, ma'am. Q. And you say (as read): "The lifetime risk of developing ovarian cancer is 39 to 46 percent in BRCA1 carriers." Did I read that correctly? A. Yes. Q. So does that come out to 390 to 460 women per thousand who carry the BRCA1 gene mutation will develop ovarian cancer in their lifetime? MS. O'DELL: Objection to form. THE WITNESS: Give me a second to do the math. So if we had a thousand women, in their lifetime, 390 would develop ovarian cancer. BY MS. BOCKUS: Q. Okay. Somewhere between 390 and 460? A. Yes. I just did the math for one, but yes. Q. Okay. And then going on, women who carry the BRCA2 mutation, it would be 110 to 270 out of 1,000 in

	Page 222		Page 224
	Page 322		Page 324
1	MS. O'DELL: For women with BRCA2?	1	THE WITNESS: Being on the planet is
2	MS. BOCKUS: Yes. For women with	2	the 1.3 percent, or the 13 out of 1,000.
3	BRCA2. I thought I made that qualification.	3	BY MS. BOCKUS:
4	BY MS. BOCKUS:	4	Q. Correct.
5	Q. And then you say (as read):	5	A. Being exposed to talc adds the other 4, if
6	"This is compared to the	6	your math is right
7	1.3 percent lifetime risk in noncarriers."	7	Q. Okay. But do you know of any way that you or
8 9	Correct?	8 9	anyone else can say, in this group of 17 women who have ovarian cancer who used talcum powder, it's these
10	A. That's correct.	10	4 who developed it because of their talcum powder use
11	Q. So in other words, 13 women out of 1,000,	11	versus the 13 that we know would have been diagnosed
12	approximately, in the US will develop ovarian cancer	12	with ovarian cancer whether they ever used talc or
13	in their lifetime?	13	not?
14	MS. O'DELL: Objection to form.	14	MS. O'DELL: Objection. Incomplete
15	BY MS. BOCKUS:	15	hypothetical.
16	Q. Is that what that means?	16	THE WITNESS: So this is a hypothetical
17	A. Yes.	17	that 1,000 women used talcum powder, and we knew, if
18	MS. O'DELL: Objection to form.	18	they hadn't used talcum powder, that 1 point that
19	BY MS. BOCKUS:	19	13 of them would develop it, and then the other 4
20	Q. And it's your opinion that and that's	20	develop it because, in my opinion, they used talcum
21	all-comers; right? That's women who have had	21	powder?
22	children, women who haven't had children, et cetera?	22	BY MS. BOCKUS:
23	A. Yes.	23	Q. Right, because that's the difference between
24	Q. That's the entire population?	24	the background rate and the rate that, it's your
25	A. But that don't have these BRCA mutations.	25	opinion, is associated with talc use; correct?
	Page 323		Page 325
1	Q. Correct. Fair enough.	1	A. So do I know which one of those what
2	Q. Correct. Fair enough. So, as I understand it, it is your opinion	2	A. So do I know which one of those what number are we up to now?
2	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders,	2 3	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17.
2 3 4	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that	2 3 4	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17
2 3 4 5	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct?	2 3 4 5	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes.
2 3 4 5 6	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes.	2 3 4 5 6	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder?
2 3 4 5 6 7	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13	2 3 4 5 6 7	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right.
2 3 4 5 6 7 8	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you	2 3 4 5 6 7 8	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that.
2 3 4 5 6 7 8	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop	2 3 4 5 6 7 8	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would
2 3 4 5 6 7 8 9	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime?	2 3 4 5 6 7 8 9	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17
2 3 4 5 6 7 8 9 10	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated
2 3 4 5 6 7 8 9 10 11	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math,	2 3 4 5 6 7 8 9 10 11	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with hier talc use versus associated with just living that long?
2 3 4 5 6 7 8 9 10 11 12	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right.	2 3 4 5 6 7 8 9 10 11 12	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form.
2 3 4 5 6 7 8 9 10 11 12 13	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any
2 3 4 5 6 7 8 9 10 11 12 13 14 15	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would	2 3 4 5 6 7 8 9 10 11 12 13 14	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else,
2 3 4 5 6 7 8 9 10 11 12 13	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct?	2 3 4 5 6 7 8 9 10 11 12 13	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else,
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS:
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would allow you to identify which of the 4 out of 17	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct? MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would allow you to identify which of the 4 out of 17 developed ovarian cancer because of their use of talc	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct? MS. O'DELL: Object to the form. THE WITNESS: To guess about what?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. Correct. Fair enough. So, as I understand it, it is your opinion that the use of body powders, talcum body powders, increases a woman's risk by about 30 percent. Is that correct? A. That's what the epidemiology says, yes. Q. Okay. So does that mean that, instead of 13 out of 1,000 women who use talcum powder, then you would expect to see 17 out of 1,000 who would develop ovarian cancer in their lifetime? MS. O'DELL: Object to the form. THE WITNESS: I'd have to do the math, but that sounds about right. BY MS. BOCKUS: Q. And out of those 17 per thousand, 13 would have developed it anyway; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. BY MS. BOCKUS: Q. And do you know of any methodology that would allow you to identify which of the 4 out of 17 developed ovarian cancer because of their use of talc as opposed to just being on this planet and living a	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. So do I know which one of those what number are we up to now? Q. The 4 out of 17. A the 4 out of 17 Q. Yes. A was caused by talcum powder? Q. Right. A. I don't think I can say that. Q. Do you know of any methodology that would allow someone to identify which of the 4 out of 17 were associated with their talc use versus associated with just living that long? MS. O'DELL: Objection to form. THE WITNESS: I'm not aware of any if you're talking about biomarkers or something else, I'm not aware of any that would distinguish between cancer caused by talc and cancer caused by age alone. BY MS. BOCKUS: Q. Okay. And if one were to guess, they would be mistaken two times out of three; correct? MS. O'DELL: Object to the form. THE WITNESS: To guess about what? BY MS. BOCKUS:

	Dago 328
Page 326	Page 328
1 gotten it anyway?	
2 MS. O'DELL: Object to the form.	ı
THE WITNESS: I'm not quite sure	
4 I understand where you're going or what the question 4	J 1
5 is. I think the answer is we don't we won't we	37 3 37 21
6 can't identify which one of those patients that have 6	
7 ovarian cancer because they all your hypothetical 7	
8 is that they all were exposed to talc.	1 / 5 /
9 MS. O'DELL: I don't think that was her 9	1
10 hypothetical. 10	
THE WITNESS: Okay. Well, then I've 11	1 81
12 lost this. 12	,
13 BY MS. BOCKUS:	,,,
Q. As I under well, let me just move on.	5 5 1
When women go swimming in a swimming pool, 15	, , ,
does chlorinated water go into their uterus?	, ,
17 A. Goes into their vagina.	
Q. That wasn't my question. Does it go to their	3
19 uterus? 19	C and a second a
20 A. Probably not.	
21 Q. Why not? 21	
A. I don't know the answer to that question.	
Q. When women go swimming in the ocean, does 23	,
24 saltwater go into their uterus? 24	
25 A. Not usually, no. 25	proceedings, and cornstarch seems not to cause an
Page 327	Page 329
	1490 327
1 Q. Why not?	
	inflammatory reaction. It gets cleared by the immune
1 Q. Why not?	inflammatory reaction. It gets cleared by the immune system, and it dissolves.
1 Q. Why not? 1 2 A. It just doesn't. 2 3 Q. Is there something blocking the uterus from 4 the vagina? 4	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS:
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary?
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes.
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary?
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary?
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of.
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer?
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 11 12 A. Okay.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh?
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes.
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of.
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body?
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained 18 in bathwater make their way into the fallopian tubes?	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se.
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained 18 in bathwater make their way into the fallopian tubes? 19 A. I don't have an answer answer or opinion	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation?
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained 18 in bathwater make their way into the fallopian tubes? 19 A. I don't have an answer answer or opinion 20 on that.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained 18 in bathwater make their way into the fallopian tubes? 19 A. I don't have an answer answer or opinion 20 on that. 21 Q. Same question for swimming pool water. 21	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained 18 in bathwater make their way into the fallopian tubes? 19 A. I don't have an answer answer or opinion 20 on that. 21 Q. Same question for swimming pool water. 22 A. Likewise.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and fibrous tissue to cause to get the result that the
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained 18 in bathwater make their way into the fallopian tubes? 19 A. I don't have an answer answer or opinion 20 on that. 21 Q. Same question for swimming pool water. 22 A. Likewise. 23 MS. O'DELL: Objection to form.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and fibrous tissue to cause to get the result that the surgeon wants and the patient wants.
1 Q. Why not? 2 A. It just doesn't. 3 Q. Is there something blocking the uterus from 4 the vagina? 4 A. The cervix is there, and there is mucus in 6 the cervix at certain times. I think the other, to 7 follow up on your question with a little bit better 8 answer, is that exposure to the water is limited. 9 It's not like the patient's in the water for hours, 10 day after day after day. 11 Q. That really wasn't my question. 12 A. Okay. 13 Q. My question has to do with the passage of any 14 kind of particles from outside the human body to 15 inside the human body the female body. 16 A. Okay. 17 Q. Is it your opinion that particles contained 18 in bathwater make their way into the fallopian tubes? 19 A. I don't have an answer answer or opinion 20 on that. 21 Q. Same question for swimming pool water. 22 A. Likewise.	inflammatory reaction. It gets cleared by the immune system, and it dissolves. BY MS. BOCKUS: Q. Does cornstarch make it to the ovary? A. Cornstarch has been documented to get to the ovary, yes. Q. Has it been associated with foreign body reaction in the ovary? A. Not that I'm aware of. Q. Do you know whether pelvic mesh causes ovarian cancer? A. Mesh? Q. Yes. A. Not that I'm aware of. Q. Is pelvic mesh a foreign body? A. Yes. It's in the vagina or yeah, it's placed in the vagina, not in the peritoneal cavity per se. Q. Does pelvic mesh cause chronic inflammation? A. Not that I'm aware of. I think it causes acute inflammation and an ingrowth of fibroblasts and fibrous tissue to cause to get the result that the surgeon wants and the patient wants. Q. Just because something is classified as a

	Page 330		Page 332
1	organ in the body; correct?	1	Initiative is a poorly designed, poorly executed
2	A. I think that's fair to say.	2	study?
3	Q. And I think you told us previously that, to	3	MS. O'DELL: Object to the form.
4	your knowledge, you're not aware of nickel, chromium,	4	THE WITNESS: Yes.
5	or cobalt ever being identified as carcinogenic to the	5	BY MS. BOCKUS:
6	ovary; correct?	6	Q. Is it your opinion that the Nurses' Health
7	A. I'm not aware that anybody's ever tested that	7	Study is a poorly designed, poorly executed study?
8	hypothesis.	8	MS. O'DELL: Object to the form.
9	Q. Did you look at the IARC classifications of	9	THE WITNESS: With regard to the
10	those three heavy metals?	10	detection of ovarian cancer being caused by perineal
11	A. Yes.	11	use of talcum powder, yes.
12	Q. And did you see where IARC did not identify	12	BY MS. BOCKUS:
13	that they were carcinogenic to the ovary?	13	Q. Is it your opinion that the Gonzalez Sister
14	MS. O'DELL: Objection to form.	14	Study is a poorly designed, poorly executed study?
15	THE WITNESS: Right. I'm not sure that	15	A. Yeah. That's the worst one.
16	there's any data, going back to my answer to my last	16	Q. You have testified and this certainly
17	question, where that's ever been tested. So two of	17	would be part of your practice to understand that
18	those heavy metals are considered carcinogens, but not	18	we now know that HPV causes cervical cancer; correct?
19	specifically to the ovary because they haven't been	19	A. That's correct.
20	tested in the ovary.	20	Q. What is the odds ratio of developing cervical
21	BY MS. BOCKUS:	21	cancer in women who have HPV or who have had HPV
22	Q. So without that without those tests, you	22	versus those who have not?
23	can't say one way or the other whether those heavy	23	A. HPV is nearly 100 percent let me turn this
24	metals, the three you identify in your report,	24	back around.
25	increase the risk of ovarian cancer, can you?	25	Women with squamous cell carcinoma of the
	Page 331		Page 333
1	MS. O'DELL: Object to the form.		
		1	cervix, which is the most common type, almost all
2	THE WITNESS: I think they're contained	1 2	cervix, which is the most common type, almost all as close to 100 percent as possible have been
2	-		
	THE WITNESS: I think they're contained	2	as close to 100 percent as possible have been
3	THE WITNESS: I think they're contained within Johnson's baby powder.	2 3	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical
3 4	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS:	2 3 4	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical
3 4 5	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question.	2 3 4 5	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes
3 4 5 6	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot	2 3 4 5 6	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct?
3 4 5 6 7	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in	2 3 4 5 6 7	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected
3 4 5 6 7 8	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian	2 3 4 5 6 7 8	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV.
3 4 5 6 7 8 9	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct?	2 3 4 5 6 7 8	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer
3 4 5 6 7 8 9	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form.	2 3 4 5 6 7 8 9	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is
3 4 5 6 7 8 9 10	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in	2 3 4 5 6 7 8 9 10	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there?
3 4 5 6 7 8 9 10 11 12	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian	2 3 4 5 6 7 8 9 10 11	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form.
3 4 5 6 7 8 9 10 11 12	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the	2 3 4 5 6 7 8 9 10 11 12 13	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand
3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian	2 3 4 5 6 7 8 9 10 11 12 13	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question.
3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS:
3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS:	2 3 4 5 6 7 8 9 10 11 12 13 14 15	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form. THE WITNESS: The science is the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form. THE WITNESS: The science is the epidemiology of increased risk of ovarian cancer in	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common type of cervical cancer have had HPV; correct?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form. THE WITNESS: The science is the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common type of cervical cancer have had HPV; correct? A. That's correct.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: I think they're contained within Johnson's baby powder. BY MS. BOCKUS: Q. That wasn't my question. Without science to support that, you cannot say that these three heavy metals that you identify in your report cause or contribute to cause ovarian cancer; correct? MS. O'DELL: Object to the form. THE WITNESS: I think they're in Johnson baby powder and the baby powder causes ovarian cancer. So something amongst that, including the heavy metals, is contributing to the onset of ovarian cancer. BY MS. BOCKUS: Q. And you're comfortable saying that without any science to support it; correct? MS. O'DELL: Objection to form. THE WITNESS: The science is the epidemiology of increased risk of ovarian cancer in women that are exposed to Johnson baby powder.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	as close to 100 percent as possible have been infected with HPV. Q. And that allows the scientific and medical community to conclude with consensus that HPV causes cervical cancer; correct? A. Yes, but not in all women that are infected with HPV. Q. There is no similar factor for ovarian cancer as closely linked as HPV is to cervical cancer, is there? MS. O'DELL: Objection to form. THE WITNESS: I'm not sure I understand the question. BY MS. BOCKUS: Q. Because it wasn't a very good one. A. Okay. Q. You indicated that close to 100 percent of all women who develop a specific the most common type of cervical cancer have had HPV; correct? A. That's correct. Q. There is nothing even close to that in terms

Page 334		Page 336
to the fallopian tube from a single ejaculation?	1	THE WITNESS: I think the journal, if
A. I don't.	2	it's going to publish, would want to make sure that
Q. You know that that's been studied; correct?	3	they are publishing information that's correct and,
A. I don't know that. The last time I did any	4	you know, through the peer review process, and also
reproductive endocrinology was in 1975. So I don't	5	any conflicts of interest are declared, any sources of
know what's	6	funding are usually declared, including grants from
Q. Let me ask you	7	National Institutes of Health, for example.
A been studied.	8	BY MS. BOCKUS:
Q. I apologize. I didn't mean to interrupt.	9	Q. When Dr. Saed placed talc on these cultured
A. Yes.	10	ovarian cancer cells, one of the findings that he
	11	reported was that it increased the level of CA-125;
-	12	correct?
	13	A. Yes.
	14	Q. You would agree that CA-125 is raised by many
		things; correct?
		A. Yes, including inflammation in particular
		inflammation in terms of a false positive CA-125.
		Q. It can be raised by pregnancy; is that right?
		A. Yes.
		Q. Can be raised by cirrhosis of the liver?
<u> </u>		A. Yes.
		Q. Can be raised by uterine fibroids; correct?
		A. Yeah
		Q. By all kinds of things?A among other things, yes.
research was being funded by plaintiffs fawyers in	25	A among other tillings, yes.
Page 335		Page 337
this litigation?	1	Q. And Dr. Saed did not use any positive or
MS. O'DELL: Object to the form.	2	negative controls in his study, did he?
		MS. O'DELL: Objection. Form.
-		THE WITNESS: He did use controls in
		his study.
		BY MS. BOCKUS:
		Q. Did Dr. Saed use any controls in which he
		applied a something like glass beads to the same
		tissue to see what the reaction would be compared to
-		the talc he was applying?
` •		MS. O'DELL: Objection to form. THE WITNESS: So applying glass I'm
		not a laboratory scientist, but putting glass beads
		into a culture plate, for example? So that would be
= '		potentially another inflammatory product, so I don't
-		know why one would put glass beads into the control
	17	plate.
THE WITNESS: So neer-reviewed journals		
THE WITNESS: So peer-reviewed journals have certain conflict of interest statements and		•
have certain conflict of interest statements and	18	He has controls in all of his tables here
have certain conflict of interest statements and disclosures that are asked as part of the peer review	18 19	He has controls in all of his tables here (indicating). It's just the medium that the talc is
have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure	18	He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes
have certain conflict of interest statements and disclosures that are asked as part of the peer review	18 19 20	He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes that he demonstrates in these cancer cells and these
have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure what the policies are of this particular journal. BY MS. BOCKUS:	18 19 20 21	He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes that he demonstrates in these cancer cells and these epithelial cells. It was the talc that caused the
have certain conflict of interest statements and disclosures that are asked as part of the peer review process of accepting a manuscript. So I'm not sure what the policies are of this particular journal.	18 19 20 21 22	He has controls in all of his tables here (indicating). It's just the medium that the talc is suspended in. So the medium didn't cause the changes that he demonstrates in these cancer cells and these
	to the fallopian tube from a single ejaculation? A. I don't. Q. You know that that's been studied; correct? A. I don't know that. The last time I did any reproductive endocrinology was in 1975. So I don't know what's Q. Let me ask you A been studied. Q. I apologize. I didn't mean to interrupt. A. Yes. Q. Do you have any reason to believe that a talc particle would fare better than a sperm in terms of its chances of making it from the vagina to the ovary? MS. O'DELL: Object to the form. THE WITNESS: No. BY MS. BOCKUS: Q. Do you think that it's probably that fewer talc particles or a smaller percentage of talc particles deposited into the vagina would make it to the ovary than percentage of sperm? A. I don't have an opinion. Q. Okay. With regard to studies by Dr. Saed, do you believe that it would have been appropriate for Dr. Saed to indicate on those studies that his research was being funded by plaintiffs' lawyers in	to the fallopian tube from a single ejaculation? A. I don't. Q. You know that that's been studied; correct? A. I don't know that. The last time I did any reproductive endocrinology was in 1975. So I don't know what's Q. Let me ask you A been studied. Q. I apologize. I didn't mean to interrupt. A. Yes. Q. Do you have any reason to believe that a talc particle would fare better than a sperm in terms of its chances of making it from the vagina to the ovary? MS. O'DELL: Object to the form. THE WITNESS: No. BY MS. BOCKUS: Q. Do you think that it's probably that fewer tale particles or a smaller percentage of talc particles deposited into the vagina would make it to the ovary than percentage of sperm? A. I don't have an opinion. Q. Okay. With regard to studies by Dr. Saed, do you believe that it would have been appropriate for Dr. Saed to indicate on those studies that his research was being funded by plaintiffs' lawyers in Page 335 this litigation? MS. O'DELL: Object to the form. THE WITNESS: I'm not sure I understand exactly what was his funding. BY MS. BOCKUS: Q. For the studies that you're relying on, the Saed studies that you have relied on in your report. A. I'm not aware of the extent of the funding, if it was from the attorneys the plaintiffs' attorneys. Q. Assuming that the evidence will show that the funding for Dr. Saed's experiments came from plaintiffs' attorneys, would it be appropriate and ethical for a physician to reveal that that's the source of their funding?

to to determine whether talc causes these cells to	_	
	1	that that particulate in this case, talc causes
react differently than other items that have	2	cancer; correct?
previously been shown not to cause inflammation in the	3	MS. O'DELL: Object to the form.
cells, you would need to add something in addition to	4	THE WITNESS: It doesn't it's not
the medium; correct?	5	conclusive, but it certainly is a step in the process
MS. O'DELL: Objection to form.	6	leading towards cancer.
THE WITNESS: No. That's what a	7	BY MS. BOCKUS:
control is. Why would you add anything? That would	8	Q. And there are specific tests that can be done
be a third experiment. You've got your controls and	9	for genotoxicity; correct?
now your glass beads and now your talc.	10	Are you familiar with those
BY MS. BOCKUS:	11	A. I'm not familiar with what that exactly
Q. Is it your understanding that glass beads	12	means.
	13	Q. Have you seen studies where, in the lab, they
A. I don't know what they do. I don't know why	14	have started this process, such as Dr. Saed did with
one would put glass beads in a control.	15	causing a single gene mutation, and then implanting
Q. Other than the medium, did Dr. Saed	16	that tissue into a lab animal to see if it actually
include did he do any test to determine whether	17	grows into a cancer?
other particulate would cause the exact same reaction	18	MS. O'DELL: Object to the form.
as the talc?	19	THE WITNESS: I'm not aware of that,
A. I don't think that was part of his	20	but it's certainly I presume it's possible to do
experimental design.	21	something like that, but I'm not sure.
Q. Do you think that would have been an	22	BY MS. BOCKUS:
appropriate experimental design to determine if talc	23	Q. I think you've answered this question. And
elicited a response different than any other foreign	24	if you have, I apologize.
particulate?	25	What is the threshold response for talc?
Page 339		Page 341
MS_O'DELL: Object to the form	1	MS. O'DELL: Object to the form.
-	2	THE WITNESS: The threshold response
	3	that would induce cancer, I presume is what you're
	4	really asking?
-	5	BY MS. BOCKUS:
with this. I mean	6	Q. Yes, sir. Thank you.
BY MS. BOCKUS:	7	A. I don't think we know that.
	8	MS. BOCKUS: That's all that I have.
· -	9	Thank you.
correct?	10	THE WITNESS: Thank you.
A. Yes. He's showing	11	MS. BOCKUS: I'll cede back my last 15
_	12	minutes to the other defense counsel who are here.
-	13	MS. O'DELL: Do you have questions?
mutations. They are the first step or the next	14	MR. BILLINGS-KANG: I don't think so,
step towards cancer.	15	no.
BY MS. BOCKUS:	16	MS. O'DELL: Do you have questions?
Q. And all of our we all have gene mutations	17	MR. ZELLERS: No further questions.
going on in our bodies every day; correct?	18	MR. MIZGALA: I want to ask a question.
A. Yes. A little scary.	19	MR. ZELLERS: Please do.
Q. And we all have thank God, the way we're	20	CROSS-EXAMINATION BY COUNSEL FOR THE DEFENDANT PTI
· · · · · · · · · · · · · · · · · · ·		BY MR. MIZGALA:
put together, there are systems in place that detect	21	DI MR. MIZUALA.
put together, there are systems in place that detect gene mutations and kill them; correct?	21	
put together, there are systems in place that detect gene mutations and kill them; correct? A. Apoptosis. Yes.		Q. Doctor, on page 2 of your report, at the bottom
gene mutations and kill them; correct?	22	Q. Doctor, on page 2 of your report, at the
	the medium; correct? MS. O'DELL: Objection to form. THE WITNESS: No. That's what a control is. Why would you add anything? That would be a third experiment. You've got your controls and now your glass beads and now your talc. BY MS. BOCKUS: Q. Is it your understanding that glass beads would cause inflammation to the ovarian epithelial? A. I don't know what they do. I don't know why one would put glass beads in a control. Q. Other than the medium, did Dr. Saed include did he do any test to determine whether other particulate would cause the exact same reaction as the talc? A. I don't think that was part of his experimental design. Q. Do you think that would have been an appropriate experimental design to determine if talc elicited a response different than any other foreign particulate? Page 339 MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct?	the medium; correct? MS. O'DELL: Objection to form. THE WITNESS: No. That's what a control is. Why would you add anything? That would be a third experiment. You've got your controls and now your glass beads and now your talc. BY MS. BOCKUS: Q. Is it your understanding that glass beads would cause inflammation to the ovarian epithelial? A. I don't know what they do. I don't know why one would put glass beads in a control. Q. Other than the medium, did Dr. Saed include did he do any test to determine whether other particulate would cause the exact same reaction as the talc? A. I don't think that was part of his experimental design. Q. Do you think that would have been an appropriate experimental design to determine if talc elicited a response different than any other foreign particulate? Page 339 MS. O'DELL: Object to the form. THE WITNESS: Oh, you could do an extensive experiment of all kinds of particulates and compare it with talc. That wasn't the question he was trying to ask. I'm not quite sure where you're going with this. I mean BY MS. BOCKUS: Q. To determine whether the changes that he noted actually cause cancer would take more steps; correct? A. Yes. He's showing MS. O'DELL: Object to the form. THE WITNESS: that there's gene mutations. They are the first step or the next step towards cancer. BY MS. BOCKUS: Q. And all of our we all have gene mutations going on in our bodies every day; correct?

	Page 342		Page 344
1	"I approached each article	1	and they were hypotheticals, as I recall regarding
2	objectively and critically,	2	specific patients and the cause or causes of their
3	assessing for factors such as	3	ovarian cancer.
4	design, power, reputation of the	4	In regard to a woman who has potentially,
5	authors, quality of the journal,	5	say, a BRCA mutation maybe she's of a certain
6	and potential biases."	6	age and she's a routine user of talcum powder such
7	Correct?	7	as Johnson's baby powder, do you have an opinion as to
8	A. Yes, that's what I wrote.	8	what the causes of her cancer would be?
9	Q. Where is that where is that written down?	9	MR. ZELLERS: Objection. Form.
10	Where is it compiled?	10	THE WITNESS: So several causes, but
11	A. Where is what compiled?	11	the talcum powder would have to be considered a
12	Q. All those things that you assessed? Did you	12	contributing cause to her ovarian cancer.
13	reduce that to writing anywhere?	13	BY MS. O'DELL:
14	A. No. I mean, these are the articles	14	Q. For a woman who has in whom there's not
15	I identified and reviewed and assessed (indicating).	15	been identified a known risk factor but she is a
16	Q. Okay. So you don't have a spreadsheet or	16	routine user of talcum powder such as baby powder or
17	something of all these factors that you assessed?	17	Shower to Shower, do you have an opinion as to what
18	A. No.	18	one of the causes of her cancer ovarian cancer
19	MS. O'DELL: Objection to form.	19	would be?
20	THE WITNESS: No.	20	MR. ZELLERS: Objection. Form.
21	BY MR. MIZGALA:	21	THE WITNESS: What I've been trying to
22	Q. In your head?	22	say all day is the Johnson & Johnson baby powder
23	A. In my head at the time, and I chose articles	23	causes ovarian cancer. In this particular patient, it
24	that I thought were appropriate to put into my report.	24	is a significant contributing cause.
25	MR. MIZGALA: Okay. No further	25	MS. O'DELL: I have nothing further,
	Page 343		Page 345
1	questions.	1	Doctor Thoulesson
2	MC OIDELL LA CCA L		Doctor. Thank you.
2	MS. O'DELL: Let's go off the record.	2	THE WITNESS: Okay. Thank you.
3	MS. O'DELL: Let's go off the record. THE VIDEOGRAPHER: Going off record at	2 3	•
	THE VIDEOGRAPHER: Going off record at 5:23 p.m.		THE WITNESS: Okay. Thank you.
3	THE VIDEOGRAPHER: Going off record at	3	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE
3 4	THE VIDEOGRAPHER: Going off record at 5:23 p.m.	3 4	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS
3 4 5	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.)	3 4 5	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS:
3 4 5 6	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record	3 4 5 6	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to
3 4 5 6 7	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m.	3 4 5 6 7	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were
3 4 5 6 7 8 9	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few	3 4 5 6 7 8 9	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes.
3 4 5 6 7 8 9 10	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you.	3 4 5 6 7 8 9 10	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form.
3 4 5 6 7 8 9 10 11	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to	3 4 5 6 7 8 9 10 11	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions.
3 4 5 6 7 8 9 10 11 12 13	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian	3 4 5 6 7 8 9 10 11 12	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one.
3 4 5 6 7 8 9 10 11 12 13	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer?	3 4 5 6 7 8 9 10 11 12 13	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE
3 4 5 6 7 8 9 10 11 12 13 14	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form.	3 4 5 6 7 8 9 10 11 12 13 14	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS
3 4 5 6 7 8 9 10 11 12 13 14 15	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes.	3 4 5 6 7 8 9 10 11 12 13 14 15	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS:
3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the	3 4 5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL:	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum powder is at a higher risk of developing ovarian
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled and cause ovarian cancer?	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum powder is at a higher risk of developing ovarian cancer than women who have the BRCA gene mutation and
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled and cause ovarian cancer? MR. ZELLERS: Objection. Form.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum powder is at a higher risk of developing ovarian cancer than women who have the BRCA gene mutation and have never used talcum powder?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled and cause ovarian cancer? MR. ZELLERS: Objection. Form. THE WITNESS: Yes. The same answer.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum powder is at a higher risk of developing ovarian cancer than women who have the BRCA gene mutation and have never used talcum powder? MS. O'DELL: Objection to form.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE VIDEOGRAPHER: Going off record at 5:23 p.m. (Recess taken from 5:23 p.m. to 5:40 p.m.) THE VIDEOGRAPHER: Back on the record at 5:40 p.m. CROSS-EXAMINATION BY COUNSEL FOR THE PLAINTIFFS BY MS. O'DELL: Q. Dr. Clarke-Pearson, I have just a few questions to ask you. First, let me ask you, in regard to asbestos, can asbestos be inhaled and cause ovarian cancer? MR. ZELLERS: Objection to form. THE WITNESS: Yes. Yes. IARC has deemed that true, to be the case that it can cause ovarian cancer by inhalation. BY MS. O'DELL: Q. And, similarly, can fibrous talc be inhaled and cause ovarian cancer? MR. ZELLERS: Objection. Form.	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: Okay. Thank you. FURTHER EXAMINATION BY COUNSEL FOR THE JOHNSON & JOHNSON DEFENDANTS BY MR. ZELLERS: Q. The asbestos studies that you referred to earlier dealing with inhalation, those were occupational studies; correct? MS. O'DELL: Object to the form. THE WITNESS: Yes. MR. ZELLERS: Okay. I have no further questions. MS. BOCKUS: I have one. FURTHER EXAMINATION BY COUNSEL FOR THE DEFENDANT IMERYS BY MS. BOCKUS: Q. Doctor, are you aware of any study that indicates that women who carry a BRCA gene mutation and uses and has a lifetime history of using talcum powder is at a higher risk of developing ovarian cancer than women who have the BRCA gene mutation and have never used talcum powder?

	Page 346		Page 348
1	of having ovarian cancer. I'm not aware of any study	1 E R R A T A	
2	that's been able to investigate that to date.	2 CASE NAME: TALCUM POWDER LITIGATION	N MDL NO. 2738CASE
3	BY MS. BOCKUS:	3 WITNESS NAME: DANIEL L. CLARKE-PEARS	
4		4 CASE NUMBER: 16-2738 (FLW)(LHG)	011, 111121
	Q. That is something that could be investigated;	5 PAGE LINE READS SHOULD REAL	
5	correct?	6 FAGE LINE READS SHOULD REAL	,
6	MS. O'DELL: Object to the form.		
7	THE WITNESS: In a case-control study,	7	
8	yes.	8	
9	BY MS. BOCKUS:	9	
10	Q. But to your knowledge, it's never been		
11	reported; correct?		
12	A. Not that I'm aware of.	12	
13	MS. BOCKUS: That's all I have.		
14	THE WITNESS: Thank you, everybody.		
15	MR. ZELLERS: Thank you, Doctor.		
16	THE VIDEOGRAPHER: Just one second.	16	
17	This concludes the deposition of Dr. Daniel		
18	Clarke-Pearson. Time going off the record is	18	
19	5:44 p.m.	19	
20	(Whereupon, at 5:44 p.m., the deposition ceased.	20	
21	Signature was reserved.)	21	
22	·	22	
23		23	
24		24	
25		25	
	Page 347		
1	ACKNOWLEDGMENT OF DEPONENT	1 STATE OF NORTH CAROLINA)	
2	I, DANIEL L. CLARKE-PEARSON, M.D., do hereby) CERTIFICATE	₹
3	acknowledge that I have read and examined the foregoing	2 COUNTY OF ORANGE)	
4	testimony, and the same is a true, correct, and complete	3 I, Sophie Brock, Court Reporter a	nd Notary
5	transcription of the testimony given by me, and any	4 Public, the officer before whom the fore	
6		5 was conducted, do hereby certify that th	
-	corrections appear on the attached errata sheet signed	6 whose testimony appears in the foregoin	
7	by me.	7 duly sworn by me; that the testimony of	
8		8 were taken by me to the best of my abili	
9	(DATE) (OLOMATURE)	9 thereafter transcribed under my supervis	
10	(DATE) (SIGNATURE)	the foregoing pages, inclusive, constitut accurate transcription of the testimony of	
11		witness(es).	of the
12		I do further certify that I am neith	er counsel
13		for, related to, nor employed by any of t	
14		this action, and further, that I am not a r	
15		16 employee of any attorney or counsel em	
16		parties thereof, nor financially or otherw	ise interested
17		in the outcome of said action.	
18		This, the 6th day of February, 201	9.
19		20 21	
20		22	
21		22	
22		23	
23		Sophie Brock, RPR, RMR,	RDR, CRR
24		24 Notary Number: 200834000	0001
25		25	

88 (Pages 346 to 349)

A	accounting	246:6 329:21	administration	167:2,14,20 168:3
	17:21	add	203:21	aging
aaces 6:15	accounts	56:6 338:4,8	adolescence	309:15 310:18
	121:25	added	263:17 264:1,9,14	ago
aamc 61:12	accurate	182:11 188:11	advance	34:4 99:13 100:2
abdomen	28:21 31:10 55:21	adding	319:9	231:2 283:2
307:14 316:19	63:6,16,18 149:6	95:24 178:4,5	advanced	300:19
abdominal	187:12 349:11	addition	97:7	agree
226:24	accurately	29:6 33:23 35:12	advise	25:8 76:18 77:9,22
ability	149:22	227:5 267:20	95:20 96:1,6	78:1 85:18 92:6
172:14 311:20	acknowledge	338:4	advised	92:16 93:15 107:6
314:10,21 349:8	128:12,15 283:1	additional	16:1 29:5	114:15 115:2
able	347:3	4:19 16:2 17:3,9,15	aerosol	118:4 119:15
37:17 40:6,8,14	acknowledged	29:7,9,11 30:18	248:4	138:22 139:16,22
56:19 57:14 85:20	201:23 281:21	30:22,25 31:5,15	affect	141:17 145:5
92:23 122:3 128:3	282:18	33:6 34:4,6,11	79:16 250:18	163:11 173:8
131:6 157:14	acknowledgment	35:18 36:15 39:24	281:16	175:17 177:11
181:24 184:25	347:1	40:13 48:13 59:22	affirmatively	180:17,20 197:10
208:7 311:25	acog	61:20,25 72:19,22	201:24	203:25 207:14
346:2	95:11 105:14	74:19,25 75:13	affirmed	220:4 236:5 244:7
absence	106:21 107:4,7,13	227:14 237:19	9:7	244:19 245:2,17
297:4 298:15 299:6	107:20 108:4,17	296:10 300:3	affording	258:2 261:5,19,24
absolutely	108:21,25 109:2,5	315:7	185:10	284:6,12 306:15
244:23	109:9,10,18	address	african	307:10 309:14
absorbed	act	85:13 86:10 136:17	6:14	312:8 333:24
225:22	269:7	143:25 287:5	age	336:14
abstract	actinolite	addressed	76:21 77:3,13,24	agreeable
33:12,13 147:21	41:18 277:16,17	83:15 113:16 123:4	79:1 80:7 92:7	10:15,16
151:9 239:21	action	123:16 282:6	103:23 168:1	agreed
241:1 252:4,8	26:25 27:1 287:1	287:22	189:1 282:20	320:23
254:14 256:11	295:11,11 297:4	addresses	283:4 309:21	agreement
309:10	298:14 299:5,9	154:16	310:9 311:12,25	147:17
abstracts	349:15,18	addressing	319:14,15,17	ah
240:23 252:24	activation	85:4	320:2 325:17	136:12
accept	228:10	adds	344:6	ahead
184:19 189:19	actively	324:5	agencies	19:11 104:13
accepted	18:16	adhesion	110:16 296:6	116:11 128:2
48:25 89:1 263:25	activities	226:9	agency	136:22 240:2
accepting	18:20	adhesions	5:23 106:16	aid
335:20	activity	201:3 226:2 227:18	agent	203:18
access	207:17	231:5,9,23	125:18,24 126:6,12	air
48:9 302:1	actual	adjust	126:23	204:15,19
account	255:16	264:23 265:1	agents	al
61:1 121:23 174:12	acute	adjustment	5:24 124:16,19,24	5:3,13 6:4,6,9,16
176:19 265:15	222:5,7 226:4	265:18	125:5,15,23 127:6	6:19,22 7:5,10
282:19 283:2	227:13 231:9,10	administered	127:7 256:18	alabama
202.17 203.2	231:19 243:3	206:18 207:12	ages	2:4
	l		l	l

				Page 351
albumin	288:12 290:20	43:12,14 45:7	94:23 235:7 279:20	133:4 204:2,4,13
205:14	291:4	46:3 56:20 57:12	315:18	204:20 207:5
	-			255:15
alert	amphibole	64:19 66:1,2,4	anybodys	
81:10	54:2	72:11,16 84:6,20	290:23 291:9 330:7	applying
allcomers	amphiboles	85:8 86:12,18	anytime	214:25 337:10,12
322:21	286:15,16 287:3	87:5 88:9 89:7,11	156:11	appreciate
alleged	anal	89:13,15 91:1	anyway	12:20,21,25 35:8
44:1 272:1 276:4	193:20	94:4,11 100:1	323:16 326:1	240:7 241:2
allegedly	analogy	122:3 133:1 140:4	apologize	approach
290:21	267:2	142:13,25 144:11	201:14 319:9 334:9	94:15,15 297:3
allelic	analyses	145:25 151:3	340:24	298:5,9,11 299:5
5:12	179:7 180:15	158:6 179:21	apoptosis	318:12
allen	306:10	186:10,15 187:14	314:11,13,15	approached
2:3 4:12 8:12,14	analysis	189:5,20,22,23	339:23	342:1
19:5	4:21 17:12 82:24	197:18 199:5	apparently	appropriate
allow	112:21 146:24	200:11,13 205:8	10:18 218:16	145:19 334:23
10:12 99:24 323:21	166:1,4 178:17,20	208:7 240:17	appear	335:13 338:23
325:10	179:13,24 180:4,8	256:8 278:12,15	17:19 32:19 48:15	342:24
allows	186:2,9 244:20	278:21 279:9	76:7 347:6	appropriately
92:12 319:17 320:8	250:18 287:9	284:23 287:13,19	appeared	298:14
333:4	289:3 292:8	293:17 294:15,17	103:8 151:21	approximate
alls	294:22	302:8 326:5,22	152:14	57:24 59:21
239:21	analytical	327:8,19,19	appearing	approximately
altered	35:23	330:16 343:23	292:14	8:4 322:12
250:10,12,17	analyze	answered	appears	approximation
alternative	157:15 180:5	44:8 46:4,21 75:9	16:6 35:24 47:8	59:24
225:20 273:14	analyzing	84:11 89:10 119:3	49:6 103:1,6	april
altogether	183:15	119:7 122:5,11	125:8 131:19	5:22 16:12 19:1
165:4	anatomy	130:5,14 140:3	145:2 147:8 349:6	
alumni	189:2	189:20 194:7	appendices	113:16
19:19,21	angeles	195:15 210:9,17	302:1	area
ambiguity	2:16	217:4 220:16	application	22:23 24:18 133:3
34:17	angiogenesis	279:1,19 296:18	87:25 88:18 199:15	193:14 206:25
america	314:18,20	319:4 340:23	200:22 201:5	209:20 287:1
3:2	· · · · · · · · · · · · · · · · · · ·	answering	200.22 201.3	
	angle 203:23	47:23		areas 210:25 211:15,22
american			304:13,21	· · · · · · · · · · · · · · · · · · ·
6:15 95:10 105:13	animal	answers	applications	213:10,12,18
134:12,12	50:6 88:23 90:1	88:2	192:10,24	arent
amosite	340:16	anthophyllite	applied	172:18 197:16
41:17	animals	41:18	88:24 90:2 206:2,5	263:6
amount	5:6 49:15,17 246:4	antibiotics	215:11,25 216:2,7	arising
18:1 59:1,20 62:7	annual	243:4	230:22 231:4	318:10
108:13 190:2	134:14	antonio	304:12,20 337:8	arrive
223:24 224:11	answer	3:4	applies	224:21
225:2,8,17 276:4	10:5,12,13 12:21	anus	83:21 84:9	arrived
amounts	13:15 14:25 15:8	209:23,24	apply	224:19
276:14 283:9	22:19 25:16 38:9	anybody	119:5 131:3,17	arthritis
	Ī		Ī	I

				Page 352
221.17 10 25	272.2 7 22 272.20	107.11 106.14	215.22 216.2	349:16
221:17,19,25	272:2,7,23 273:20		315:23 316:2	
222:3	274:3 275:3,9,25	218:6 265:13	324:25 325:11,11	attorneys
arthur	275:25 276:2,10	268:5,7,23 285:25	329:7	18:9 19:4 23:15
4:24 35:15	277:6,11,12,22	286:1 289:2 341:4	association	57:17 58:7 273:4
article	278:3,6,9,20,23	asks	6:13,17 7:9 84:24	335:9,10,13
4:20,23 5:3,11,14	279:4,7,17,24	9:25 168:3 186:15	111:24 120:7	attributed
5:17 6:3,5,7,10,13	280:14,23 281:3,9	asleep	127:20 128:4,18	62:3
6:17,20 7:3 46:25	282:23 283:9,21	156:14	128:24 129:12,20	august
47:2,6,13 49:20	284:6,8,15,17,19	aspects	129:24 130:7,7,8	7:7
54:2 87:22 88:15	285:2,20 286:2,3	165:16	130:12,18,21,24	australianwide
99:1 101:17,23,25	286:8,9 287:4	assert	131:3,16 132:24	237:10
102:2,6,10,17,22	288:18 302:22	12:4 220:5	133:6,20 134:18	author
103:5,7 137:10	303:16 343:13,13	asserted	134:24 135:3,9	35:23 47:8,14
201:2 256:11	345:6	13:3 15:9	141:13 144:8,14	48:10 51:16 82:25
272:19 292:12	asbestosis	assess	144:25 147:8	99:16,17 164:2
342:1	283:19	249:16	148:23 153:22	304:2
articles	ascites	assessed	154:3 173:10	authored
40:21 50:24,25	227:15,24 307:14	342:12,15,17	174:4,23 177:12	4:24 32:4 102:6
51:10,18 52:1,3	307:16 316:22,24	assessing	190:23 196:24	authorities
86:3,6,10 105:4	aside	7:7 292:25 297:20	200:9 219:11	244:12 294:12
137:1 185:11	14:12 60:1 197:19	301:5 342:3	233:25 242:17	authority
199:13 200:20	215:3 276:11	assessment	257:11 260:6,10	232:14,23 233:4
308:19 342:14,23	291:2 312:4	31:18 49:12 292:12	260:20 282:23	authors
artificial	asked	292:18 293:4,7,18	288:5 302:23	35:15 50:1 137:6
204:22 207:16	12:5 21:22,24 22:3	294:9 295:2,16,20	303:17	140:23 141:19
asbestiform	22:14,19 23:1	299:13,21 300:18	associations	142:7,20 144:23
286:16 287:8,16	44:7 46:20 57:10	301:5	116:20 117:25	149:21 160:8
asbestos	63:21 75:8 81:20	assessments	119:24 197:11	171:14 174:21
5:4,8 24:6 37:22	84:10 98:3 103:18	296:5,15 297:24	305:5,9	246:22 254:13
38:2,15,17 40:24	108:25 109:7	assigned	assume	265:18 302:10,14
40:24 41:2,9,12	119:2,6 122:10	124:2	10:6 186:16,16,20	302:18,21 303:11
41:14,17,20 42:9	130:13 140:3	assist	186:23,24 187:10	303:25 306:2,14
42:10,12,16,21,24	156:24 166:21	56:15	187:11,20 265:13	342:5
43:3,7,18,22 44:2	167:17,21 186:5	assistant	assuming	available
44:5,10,15,25	186:25 194:6	61:15	268:3 284:7 335:11	62:7 105:23 107:19
45:4,9,12,17,19	195:14 210:8,16	associate	assumption	214:8 246:16
45:23 46:11,19	217:3 220:15	61:15	268:4 270:9	248:21 319:23
47:1,7,13 51:12	278:25 279:18	associated	attached	avenue
52:6 53:9 54:3	285:16 288:25	24:2 86:17 104:4	33:24 40:7 55:5	3:8
65:7 70:18 98:4,7	296:17 307:7	131:11 196:21	347:6	average
217:10 219:9	309:4 319:3	212:23 213:5	attempted	19:18 78:1
266:3,4,5,8,11,19	335:19 343:25	231:24 239:11	188:12 276:18	aware
267:7,13,18 268:2	asking	242:12,14 245:5	attended	9:16 14:8 15:18,23
268:5,9,13,15	13:9 72:1 94:7	245:10 251:22	19:19,20	41:19 43:2 50:24
269:4,6,8,11,17	111:15 123:9	257:5 277:23	attention	70:8 76:24 83:9
269:20 270:4,7,10	149:17 151:19	278:3,6,21,24	139:12 295:17	84:18 101:21
270:19 271:5	185:5 186:7,19	279:4,8,13 289:7	attorney	107:17 108:15
	<u> </u>		<u> </u>	I

				Page 353
101.7 102.05	16.10 17.5 10.1	162.10.104.22	202.2.205.16	6.6 0 40.21 144.10
121:7 123:25	16:12 17:5 19:1	162:10 194:23	203:2 205:16	6:6,9 48:21 144:18
124:6 127:6,17	23:23 25:4 26:7	204:8 206:8	beings	144:23 146:19
130:6,22,25	28:18 39:19 42:20	222:18 225:1	236:24 289:24	147:6,23 148:7,12
139:11 147:23	82:12 83:11 90:14	244:11 279:16	290:24	151:15,15,17,20
148:1 170:8	95:22 99:23	287:16 298:22	belief	152:12,13 170:11
178:12 179:1	107:22 112:13	bases	278:2 318:15	170:12,13 171:14
186:25 199:11	136:11 146:1	297:24	319:14	172:21 178:4
211:11 215:24	149:14,19 152:19	basic	believe	berges
216:4 221:4,5	173:13 177:22	106:12 218:11	16:21 19:3,14 20:3	146:24,25
224:14 225:25	186:23 205:4	basically	26:18 30:12 31:13	best
226:6,11 228:25	229:20 239:7	163:17 297:2	32:11 33:16 36:25	10:13 12:23 15:8
254:23 255:2,6,9	243:17 259:23	basis	51:25 52:20,23	25:23 57:5 221:18
255:12 263:12,13	279:9 283:25	18:24 172:6 208:14	53:2 55:20,25	255:18,20 349:8
263:14 264:2,13	305:8 306:21	209:23 215:17	56:3 58:4,9 64:18	better
270:1 273:6 274:9	307:7 308:4	229:9 253:8	70:16 75:2,25	129:5 139:17,23
275:10 279:2	310:13 311:23	bates	76:23 83:19 84:7	327:7 334:12
281:11,14 283:17	316:3 330:16	54:5	84:12 86:2,5	beyond
283:20 287:22	332:24 341:11	bathwater	88:20 99:4 104:7	54:17 284:2
290:1,7,23 291:3	343:6	327:18	108:3 110:21	bholaw
295:10,13 296:2,2	background	beach	122:1 132:14	2:11
300:25 317:6,23	23:10 324:24	198:12	134:2 135:19	bias
319:5 325:14,16	backs	beads	137:15 146:18	116:19 117:22
328:3 329:9,14,20	203:22 205:25	337:8,13,16 338:10	148:5 151:23	119:15,21 126:24
330:4,7 335:8	206:19	338:12,15	153:21 154:11	155:21,22 157:2,5
340:19 345:17	bacteria	bearing	166:6 167:4	157:8,14,17 158:7
346:1,12	216:13,15,17	85:11 198:14	169:14 172:4	158:12,19 164:10
	bad	beasley	175:21 179:5	164:15 175:10,12
B	114:2	2:3 4:12 8:12,14	182:16 183:6	175:18 176:19,21
b	balance	19:5	187:16 208:24	176:22,23 209:14
4:19 32:25 33:5,9	62:22 63:1 97:23	beasleyallen	219:13 222:8	biased
33:14,17,25 40:13	238:4 242:22	2:6,7	225:21 229:1,6	113:22 114:6
72:21 73:8 214:1	banned	beauty	244:24 245:1	biases
237:7	225:25 226:7	139:14 174:16	253:6 256:20	114:25 179:11,13
baby	bark	bed	265:12 270:6	179:22,24 342:6
29:18,20 86:7,13	249:17	206:11	272:18 274:14	biddle
162:13,17,22	base	befuddles	275:21 276:19	2:19
163:1 223:4,21	61:12	112:11	277:10 278:6,20	bill
236:1 267:17,21	based		280:19 283:5	16:23 20:6
270:17 272:8	61:12,13,15 75:4	began 19:13 23:24	290:14,21 301:24	10:23 20:0 billed
276:5,15,20,23	75:12 76:18 77:10		311:11 313:10	56:25 57:3
277:1,6,12 288:22	83:6 84:21,25	beginning 11:16 56:7 192:23	315:3,6 318:7	
288:22 289:9,14	· · · · · · · · · · · · · · · · · · ·		320:13 334:11,23	billing 15:15 60:17 64:9
289:24 290:22	91:14 97:15 114:4	250:23 295:6	,	
291:6,24 313:5	114:5 118:17	behalf	believed	billingskang
331:3,12,12,22	120:21 121:10	2:2,13 3:2,12,18	24:5 320:14	3:15 8:21,22
344:7,16,22	123:15 126:15	8:12,14,16,18,20	berg	341:14
back	132:19 141:21,22	8:22,24 9:1,3	182:14 183:5	biloba
Dack	142:15 143:2	behaves	berge	127:10
		•	•	•

•				Page 354
 bimanual	54:2 272:15,19	32:3 81:24	 brennan	108:24,24
208:10	board	books	2:21,22 8:19,19	bundle
binders	12:1	62:22 63:1 73:21	brewster	268:19,21
12:9,11 36:14 82:6	bockus	born	4:22 32:4 35:11	burden
		311:9	36:3 39:3,4	6:22
308:21,22,25	3:5 4:4 8:24,24			
biologic	175:6 188:21	borne	brief 49:16	buried 265:5
22:24 83:16 190:19	244:15 278:14	263:2,7	.,	
193:23 194:4,18	307:23 308:7	bottom	bring	business
194:22,25 221:8	309:19 310:17	39:15 73:10 100:5	34:11 38:9 60:24	17:23 18:8
234:21	312:7,14,20	101:17 147:7	61:2,4 83:6	buttocks
biological	313:12,22 314:9	193:6 321:1	153:15 305:16	206:1,20
121:16,17 122:8	315:2,9,21 316:10		brings	buzzard
189:9,11 193:11	317:8,19 318:14	bowel	174:17	249:1,4,8,22,24
193:13,18 194:20	318:22 319:7	90:21	british	250:16,18 251:8
196:1,3,4,6,8	320:3,12 321:18	box	51:12	
262:18	322:2,4,15,19	114:4 298:2	broad	
biologically	323:14,19 324:3	brad	257:14	c
154:12	324:22 325:18,23	3:24	broader	2:1,3,17 3:1 4:15
biologist	326:13 327:24	bradford	141:18	8:1 26:9 349:1,1
250:19	329:3 330:21	82:10,11 83:7,24	broadway	ca
biology	331:4,16,23 332:5	84:4 113:1 123:4	2:9	5:4
132:16 318:12	332:12 333:15	123:16 143:5	brock	ca125
biomarkers	334:16 335:5,22	193:10 301:19	1:21 349:3,23	227:5 336:11,14,17
47:4 221:7 227:5	336:8 337:6,24	304:4,23	brooklyn	calculation
230:23 325:15	338:11 339:7,16	brca	27:9	62:13 170:9,11
biopsies	340:7,22 341:5,8	92:7 93:20 102:24	brought	181:8,21 189:4
235:4	341:11 345:13,16	103:24 312:5	11:19 12:6,7,18	190:1
birth	346:3,9,13	322:25 344:5	13:13,17 36:14,16	calculations
79:1 320:4,11,20	bodies	345:18,21	36:23 37:2,8	53:14,17
320:23	339:18	brca1	38:12 40:22 46:25	california
bit	body	79:6 93:10,15	47:17 48:4,8,18	2:10,16
37:18 99:24 231:2	6:14 141:10 160:10	•	48:21 53:8,19	call
327:7	161:4 198:2	282:11 311:9,14	62:10 116:4	22:13 66:2 82:8
black	215:25 225:22	321:8,12	122:16,25 139:12	83:24,25 128:25
37:4 114:4 298:2	228:23 229:2,8	brca2	295:17	150:4
bladder	230:16 244:12	321:22 322:1,3	brown	called
216:21,23	259:4 269:8	break	2:11 8:15,15 57:20	14:8,21 20:3 27:16
blanking	274:13,18,23	56:8 88:4,7 90:10	58:25	108:24 227:15
68:17	323:3,3 327:14,15	,	buckley	289:9 313:23
blocking	327:15 328:9,10	177:18 259:19	50:1	camargo
327:3	328:15,16,20	307:24	building	47:8 282:14 283:6
blocks	329:7,15 330:1	breakdown	256:15	campus
256:16	bodys	301:19	buildings	2:20
blood	311:20	breaking	98:20,23	canada
2:9 8:15 291:12	bonus	258:14	bulb	7:6 31:18 49:12
314:19,20	61:20,24	breast	24:20	292:12,17,22,24
blount	book	102:23 103:24	bulletins	293:18 294:9,18
DIVUIIL	DUUK	102.23 103.24	Dunctins	2,5,10 2, 1,,10

				Page 355
295:10,16 296:1	121:18,24 122:1,9	228:5,9 229:19	325:17,24 326:7	212:10 267:18
297:9,19,23 298:8	121:18,24 122:1,9	230:24 232:25	328:1 329:11	268:19 290:24
298:20 299:18	128:5,7 129:6,19	233:3,7,11,21	330:25 331:9,13	329:25
300:18 301:4,15	130:11,23 131:4,7	234:2,16,18,19	331:15,21 332:10	carcinogenesis
canal	131:9,18,21,23,25	235:5,7,14,24	331:13,21 332:10	154:17 232:9,22
198:3	131.9,18,21,23,23	236:3,6,8,12,17	332.18,21 333.0,9	233:16 234:13,17
cancer	132.22,24,23	237:5,23 238:6	336:10 337:21	257:1
5:13,15,18,19,24	134:2,6,9,13,15	239:11 241:20,25	339:9,15 340:2,6	carcinogenetic
6:3,5,8,11,14,15	134:16 135:4,5	242:10,13,19,24	340:17 341:3	291:17,20
6:18 7:4,10 22:17	141:14,25 143:10	243:13,16 244:5	343:14,18,21	carcinogenic
22:24 23:9,20	143:20 144:9,15	245:5,11,20 249:6	344:3,8,12,18,18	37:4 43:3,17 124:1
24:3,18 25:2,10	145:1,17 146:16	249:14 252:20	344:23 345:21	124:3,25 125:6,19
25:22 37:23 38:3	146:21 148:24	257:2,5,8,11,17	346:1	124.3,23 123.0,19
38:15,18 41:12	150:10,14 151:7	258:7,10,21 259:9	cancers	123.23 120.3,13
42:13 43:4 45:21	151:22 152:1,15	259:14 260:10,21	52:11 131:10,13	278:10 287:17
47:1,3,7,13,24	153:9,9,24,25	262:13,18,22	132:10,13,16,17	289:17 290:11,12
48:22 52:4,12,24	154:14,17,22	263:11,19 264:17	132:18 150:16,19	290:25 329:25
67:9,14 68:13	155:13 157:18,20	265:11 266:17,20	152:18 150:16,19	330:5,13
78:6,8,12,15,19	157:24 158:8,9,15	267:6,8 268:12	195:2,10,11,17,20	carcinogens
78:21,22,23 79:10	158:24 160:16,19	269:24 270:7	195.2,10,11,17,20	99:9 100:10 101:12
80:2,4,5,8,9,21	160:24 161:9,18	272:20 277:23	193.21 190.18,19	101:22 267:15,22
81:11,17 82:14,17	161:23 162:5,12	278:3,7,21,24	213:5 220:19,19	278:4 328:13
83:17 84:15,25	162:15,21 163:1	279:5,7,14,16,25	221:6 283:7 314:2	330:18
85:21 86:4,7,14	163:16,19 164:3,5	280:14,23 281:13	314:3 318:7,10	carcinoma
87:14,17 90:18,20	165:4 166:16	281:18,23 282:20	320:15	220:20 332:25
90:22,25 91:3,7,8	168:25 169:3,20	282:24 283:3,23	candidates	carcinomas
91:10,17,20 92:1	173:11 174:5,19	285:10 287:10	175:15	132:21
92:9,13,17,24	173:11 174:3,19	288:6,17,21,23	cant	
93:5,17 94:1,13	179:4 182:4 191:1	289:7,11,14,19,20	18:14 40:18 66:1,4	care 3:12 8:23 20:18
94:17,20 95:1,7	191:9,24 193:13	290:4,13,22 291:1	69:10 93:1 94:6	90:24 97:10 129:2
95:12,17,21 96:8	193:18,19,19,20	291:1,6 292:9	122:1 149:1	129:6 316:18
97:7,9,10,12,15	193:20,20 194:1,5	294:13,23 302:24	178:21 187:24	career
97:25 99:2,6	194:12,19,23,24	303:20 304:13,21	227:1 259:16	226:15
100:8,14 101:11	195:7,9,13 196:1	307:11,15,16	274:20 312:6	carolina
101:24 102:11,18	196:5,9,12,12,13	309:15,21,22,24	326:6 330:23	1:17,18 60:20
101:24 102:11,18	196:15,22 197:2,6	310:2,11,23 311:1	capable	61:11 67:7 95:20
102:23 103:5,15	197:12 212:23	311:4,11,13,18,24	216:11	96:5 349:1
105:2,7,20 106:7	213:9,24 214:13	312:2,9,10,24	captioned	carpentry
105.2,7,20 100.7	214:22 215:10	313:7,16,23,23	47:18 53:9 102:10	127:12,16
107:14,19,21,25	216:22 217:1,11	314:6,10,14,17	297:19 304:19	carried
107:14,19,21,23	219:7,12,15,20	315:8,16 316:6,13	capture	73:11
110:3,8,13,18,20	220:7,14,23 221:6	316:18,19,20,24	168:4,14	carriers
111:1,9,11,21	221:12,16 222:6,8	319:14,15,18,20	carbon	321:8
112:1,12,13,21	222:15,20,24	320:5,19,25 321:7	37:4 202:2,12,13	carries
112.1,12,13,21	224:17 225:15,18	321:13,17,23	203:2,21 204:23	201:18
116:18 117:21	226:14,19,23,25	322:12 323:10,22	carcinogen	carry
118:1 119:24	227:3,8,16,21	324:9,12 325:17	125:10 197:1,4	321:12,21 345:18
110.1 117.27		52,12 525.11	123.10 177.1,7	321.12,21 373.10

cascade 228:11,16 categories 124:10,18 125:16 328:20,23,25 339:19,22 331:8,8 339:19,22 331:8,8 337:20 338:3,13 338:18 339:9 318:11 329:17 cdc certify 349:5,13 2essed 60:18 65:6,9 67:11,12 68:25 69:9 82:1 85:19 103:13 104:9 category 134:18 135:10 134:18 135:10 344:2,12,24 caused 346:20 209:19 210:6,14 221:16,22 212:19 211:6,22 212:19 341:11 209:19 210:6,14 221:18,24 332:18 332:20 333:6,10 333:20 033:6,10 333:20 033:10 198:20 020;24;15 333:11 132:21 13 220:12 225:4 198:20 030:14 151:6,12 220:13 298:21 11:12 23:14 151:5;11 220:12 24:15 11:10 13:13 15:15 108:10 13:11 13:21 13:15 108:12 13:11 13:21 11:10 13:11 13:21 13:15 108:12 13:11 13:21 13:11 13:21 13:15 108:12 13:11 13:21 13:11 13:21 13:15 108:12 13:11 13:21 13:11 13:21 13:15 108:12 13:11 13:21 13:11 13:21 13:15 13:11 13:21 13:1					Page 356
228:11,16 124:10,18 125:16 categorize 3329:19,22 331:8,8 and 109:22 243:18,20 and 109:22 243:19 249:21,24 250:4,25 251.19 and 109:22 243:10 and 109:24	cascada	catagories	328-20 23 25	318-11 320-17	cortify
case categorize 337:20 338:3,13 109:22 243:18,20 cervical 27:6,8,14 42:3 128:23 338:18 339:9 cased 133:19 198:2,3 60:18 65:6.9 67:11,12 68:25 125:2 126:6 343:13,18,21 346:20 209:19 210:6,14 69:9 82:1 85:19 134:18 135:10 78:20,22 94:7,12 221:13,14 131:9,11 213:22,0 333:6,10 107:12 111:5 134:18 135:10 78:20,22 94:7,12 92:13,14 131:9,11 332:20 333:6,10 247:22 270:3,12 234:5 289:7 195:2,23 232:5,18 150:14 151:6,15 333:20 285:5,6 8 288:3 291:16,19 340:1 234:17 289:6 234:17.22 256:18 153:9,20,24 154:9 208:19 11:17 6:18 24:10,22 134:17 135:8,14 131:2,131:2,17 310:14 312:1,1 230:17 249:25 333:1 6:19:17,16;16 19:15,16,19 304:12,20 339:25 25:3,10,27 25:3,310:15 320:22 22:2 6:19:17,22;13 19:23 138:24 133:4 136:21 159:11 22:23 67:8,14 25:17 255:1,3,10 255:1,2,12 27:3,10 334:13 6:19:17,223 158:13 138:24 140:20 83:19 249:1		S	* *		
27:6,8,14 42:3	· ·	*	· · · · · · · · · · · · · · · · · · ·		,
60:18 65:6.9 67:11,12 68:25 69:9 82:1 85:19 103:13 104:9 113:18 135:10 107:12 111:5 115:12 174:22 108:1 194:1,12 176:25 230:10 247:22 270:3,12 247:22 270:3,12 247:22 270:3,12 248:52 88:3 291:16,19 340:1 343:18 348:2,4 133:20 84:8 86:10 3219 24:17 289:6 233:91 24:17 289:6 248:8 86:10 332:10 333:20 291:16,19 340:1 343:18 348:2,4 133:21 848:86:10 36:18 24:10,22 85:24 118:5,8,14 140:24 298:21 133:21 310:13 32:25 221:16 78:11 80:21 120:5 128:10,17 129:12,25 137:13 138:24 140:20 144:2 145:4 147:10 149:7 129:12,25 137:13 158:21 159:11 164:16 165:3,6 169:10 171:19 177:17 173:5,6,9 173:24 174:38,9 174:24 176:16 176:16,20 177:6 176:25 230:1 176:25 230:1 176:25 230:1 176:25 230:1 176:25 230:1 176:25 230:1 176:25 230:1 177:25 230:1		0	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
67:11.12 68:25 69:9 82:1 85:19 103:13 104:9 107:12 111:5 135:18 160:1 155:12 174:22 135:18 160:1 155:12 174:22 136:5,6,8 288:3 228:5,6,8 288:3 291:16,19 340:1 247:22 70:3,12 231:9 24:17 289:6 231:18 138:18 231:19 24:17 289:6 233:18 348:2,4 231:19 24:17 289:6 234:18 138:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:18 231:19 24:17 289:6 234:18 238:19 231:19 24:17 289:6 234:18 238:19 231:19 24:17 289:6 234:18 238:19 233:9,14 234:11 239:19 24:17 289:6 239:11 239:19 24:11 239:19 24:17 289:6 239:11 230:17 249:25					_
69.9 82:1 85:19 134:18 135:10 134:18 135:10 134:18 135:10 134:18 135:10 134:18 135:10 134:18 135:10 135:18 160:1 155:12 174:22 108:1 194:1,12 133:15,16 150:11 133:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20 333:6,10 333:20	1				1
103:13 104:9			7 7		1
107:12 111:5					*
135:18 160:1 155:12 174:22 108:1 194:1,12 133:15,16 150:11 159:3 208:6,11,15 247:22 270:3,12 234:5 289:7 233:9,14 234:11 150:14 151:6,12 158:3 208:6,11,15 220:13 228:24 231:9 24:17 289:6 234:17,22 256:18 195:3,20 197:16 241:18 215:5,11 230:17 249:25 241:18 215:5,11 241:18 215:5,11 230:17 249:25 241:18 215:5,11 241:18 215:5,11 241:18 215:5,11 241:18 215:5,11 230:17 249:25 241:18 215:5,11 24					
176:25 230:10 234:5 289:7 247:22 270:3,12 248:5 289:7 233:9,14 234:11 153:9,20,24 154:9 208:19 211:17 285:5,6,8 288:3 23:19 24:17 289:6 234:17,222 256:18 291:16,19 340:1 343:18 348:2,4 83:20 84:8 86:10 307:15,16 310:11 230:17 249:25 233:9,14 234:11 250:23 228:24 216:12,237:5,6 234:10,22 85:24 118:5,8,14 140:24 298:21 332:10 337:22 258:3 310:15 333:1 222:20 222:16 78:11 80:21 25:2,10,22 78:5,8 230:24 236:3 230:					
247:22 270:3,12 285:5,6,8 288:3 291:16,19 340:1 340:1 343:18 348:2,4 casecontrol 6:18 24:10,22 134:17 135:8,14 119:1,5,16,19 129:12,25 137:13 138:14 140:20 129:12,25 137:13 138:24 140:20 144:2 145:4 147:10 149:7 157:2,23 138:13 158:21 159:11 164:16 165:3,6 169:10 171:19 173:24 174:3,8,9 172:17 173:5,6,9 173:24 174:3,8,9 173:24			· · · · · · · · · · · · · · · · · · ·	-	
285:5,6,8 288:3 23:19 24:17 289:6 234:17,22 256:18 195:3,20 197:16 214:18 215:5,11 220:23 228:24 216:1,2 327:5,6 343:18 348:2,4 83:20 84:8 86:10 307:15,16 310:11 230:17 249:25 333:1 333:1 235:2,5 254:2 cetera 6:18 24:10,22 134:17 135:8,14 113:2 131:2,17 302:12,25 254:2 254:24 255:8 322:22 chair 85:24 118:5,8,14 140:24 298:21 332:10 337:22 258:3 310:15 332:25 chair chair chair chair 6hi:1 62:21 96:6 108:20 chair chair 108:20 chair chair chair 108:20 chair 22:21 96:6 chair 108:20 chair 108:20 chair 22:21 96:6 chair 108:20 chair 108:20 chair 22:21 96:6 chair 108:20 chair 22:22 96:6 chair 108:20 chair 22:21 96:6 chair 108:20 chair 22:21 96:6 chair 230:22 227.4 258:21 96:11 227:4 250:68,9,17 250:68,9,17 250:68,9,17 250:68,9,17			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
291:16,19 340:1 343:18 348:2,4 casecontrol 61:8 24:10,22 85:24 118:5,8,14 119:1,5,16,19 120:5 128:10,17 129:12,25 137:13 138:24 140:20 134:13 134 147:10 149:7 129:12,25 137:13 138:24 140:20 144:2 145:4 147:10 149:7 157:2,23 158:13 158:21 159:11 164:16 165:3,6 169:10 171:19 172:17 173:5,6,9 173:24 174:3,8,9 173:24 174:3,8,9 173:24 174:3,8,9 173:24 174:3,8,9 173:24 174:31 184:13 191:24 194:2 175:19,24 176:16 176:16,20 177:6 182:10 184:13 190:13 237:10 223:25 224:12,16 225:1,4 235:24 228:1,2,56,8,16 228:2,5,6,8,16 228:2,5,6,8,16 28:25,5,6,8,16 28:25,5,6,8,16 28:25,5,6,8,16 28:25,5,6,8,16 28:26,5,6,8,16 28:26,5,6,8,16 28:27 298:16 297:5 298:16 297:5 298:16 257:6 259:11 220:13 30:11 220:23 228:24 230:17 249:25 220:24,255:8 225:2,10,22 78:5,8 3310:15 331:13 32:25 celra 332:12 258:3 310:15 311:1 332:25 cells 199:11 227:4 258:23 79:10 80:5 259:2,10,22 78:5,8 259:2,10,22 78:5,8 259:2,10,22 78:5,8 28:2,5,6,8,16 28:2,5,6,8,	1	·	*	, , ,	
343:18 348:2,4 83:20 84:8 86:10 307:15,16 310:11 230:17 249:25 333:1 cetera 6:18 24:10,22 134:17 135:8,14 325:6,17,17 325:6,17,17 254:24 255:8 322:22 322:22 85:24 118:5,8,14 140:24 298:21 332:10 337:22 258:3 310:15 chair 322:22 chair 119:1,5,16,19 304:12,20 339:25 25:2,10,22 78:5,8 311:1 332:25 cells 108:20 129:12,25 137:13 131:24 133:4 80:9 81:17 82:14 299:12 22:43:63 230:24 236:3 120:19 126:24 144:2 145:4 131:24 133:4 80:9 81:17 82:14 249:21,24 250:4,5 196:24 345:25 chance 157:2,23 158:13 158:21 159:11 22:23 67:8,14 85:20 86:7,14 255:16,21 336:10 337:21,22 338:1,4 196:24 345:25 196:24 345:25 chance 175:12,23 158:13 68:13 79:14,16,24 95:21 96:7 100:13 337:21,22 338:1,4 188:18 193:19 255:1,62,13 36:10 337:21,22 338:1,4 291:12 222:18 176:16,20 177:6 93:5,9,16 94:1 230:22 249:5 109:22 109:22 20:13 07:24 25:15 163:23 26:15 163:23 26:15 163:23 26:15 163:23 26:15 16			•	· · · · · · · · · · · · · · · · · · ·	
casecontrol 618 24:10,22 113:2 131:2,17 310:14 312:1,1 250:24,25 254:2 cetera 85:24 118:5,8,14 140:24 298:21 332:6,1,7,17 25:24:24 255:8 322:22 85:24 118:5,8,14 140:24 298:21 332:10 337:22 258:3 310:15 chair 119:15,516,19 120:5 128:10,17 22:16 78:11 80:21 239:25 25:2,10,22 78:5,8 195:11 227:4 108:20 144:2 145:4 131:24 133:4 22:13,19 243:16 80:9 81:17 82:14 230:24 236:3 120:19 126:24 147:10 149:7 157:2,23 158:13 158:21 159:11 22:23 67:8,14 87:14,17 94:15 25:17 255:1,3,10 25:51,62,1 336:10 334:13 158:21 159:11 22:23 67:8,14 87:14,17 94:15 25:17 255:1,3,10 25:51,62,1 336:10 334:13 169:10 171:19 80:1,1,2,14 81:4 108:18 193:19 25:51,62,1 336:10 337:21,22 338:14 29:12 222:18 175:19,24 176:16 97:8,9 104:4 258:24 270:7 224:3,23 225:21 109:22 20:11 307:24 20:15 163:23 182:10 184:13 190:13 237:10 223:25 224:12,16 230:2 33:13 33:13 33:1	7				
6:18 24:10,22 85:24 118:5,8,14 119:1,5,16,19 120:5 128:10,17 129:12,25 137:13 138:24 140:20 144:2 145:4 147:10 149:7 157:2,23 158:13 158:21 159:11 164:16 165:3,6 169:10 171:19 172:17 173:5,6,9 173:24 174:13,8,9 172:17 173:5,19,24 176:16 176:16,20 177:6 1	1		/		
85:24 118:5,8,14 140:24 298:21 332:10 337:22 258:3 310:15 chair 119:1,5,16,19 304:12,20 2339:25 211:1332:25 61:11 62:21 96:6 120:15 128:10,17 22:16 78:11 80:21 22:16 78:11 80:21 195:11 227:4 108:20 138:24 140:20 96:16 104:7 78:23 79:10 80:5 230:24 236:3 120:19 126:24 144:2 145:4 131:24 133:4 80:9 81:17 82:14 249:21,24 250:45 196:24 345:25 157:2,23 158:13 cause 85:20 86:7,14 255:16,22 367:8,14 255:16,22 338:1,4 196:24 345:25 169:10 171:19 80:1,1,2,14 81:4 87:14,17 94:15 255:16,22 338:1,4 133:24 174:38,9 92:12,17,20,24 92:249:5 196:9,11,14 197:7 19:11 29:12 222:18 29:12 222:18 175:19,24 176:16 97:8,9 104:4 288:17 290:13 11:10 85:4 105:7 109:22 270:11 307:24 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 23:20 133:14,16 23:20 22:218 25:15 63:23 25:15 63:23 25:15 63:23 25:15 63:23 25:15 63:23 25:15 63:23 25:15 63:23 2		1	,	· · · · · · · · · · · · · · · · · · ·	
119:1,5,16,19 120:5 128:10,17 129:12,25 137:13 22:16 78:11 80:21 22:16 78:11 80:21 22:16 78:11 80:21 22:16 78:11 80:21 23:24 140:20 96:16 104:7 78:23 79:10 80:5 123:24 125:24 120:19 126:25 120:19 126:25 120:19 126:25 120:19 126:25 120:19			, ,		
120:5 128:10,17					
129:12,25 137:13 22:16 78:11 80:21 96:16 104:7 78:23 79:10 80:5 230:24 236:3 120:19 126:24 144:2 145:4 131:24 133:4 80:9 81:17 82:14 249:21,24 250:4,5 196:24 345:25 250:6,8,9,17 251:17 255:1,3,10 255:16,21 336:10		· · · · · · · · · · · · · · · · · · ·			
138:24 140:20 96:16 104:7 78:23 79:10 80:5 230:24 236:3 120:19 126:24 144:2 145:4 131:24 133:4 80:9 81:17 82:14 249:21,24 250:4,5 196:24 345:25 157:2,23 158:13 cause 22:23 67:8,14 85:20 86:7,14 251:17 255:1,3,10 334:13 158:21 159:11 22:23 67:8,14 87:14,17 94:15 255:16,21 336:10 337:21,22 338:1,4 change 169:10 171:19 80:1,1,2,14 81:4 80:1,1,2,14 81:4 95:21 96:7 100:13 337:21,22 338:1,4 change 172:17 173:5,6,9 83:17 88:13 92:9 196:9,11,14 197:7 19:11 29:12 222:18 175:19,24 176:16 97:8,9 104:4 230:22 249:5 109:22 centers 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 223:24 224:11 337:20,23 339:8 28:2,5,6,8,16 225:1,4 235:24 236:6 258:6,7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 233:3 35:13 36:3 108:25 121:24,25					
144:2 145:4 131:24 133:4 80:9 81:17 82:14 249:21,24 250:4,5 196:24 345:25 147:10 149:7 222:13,19 243:16 82:16 84:15,24 250:6,8,9,17 250:6,8,9,17 334:13 157:2,23 158:13 22:23 67:8,14 87:14,17 94:15 255:16,21 336:10 334:13 chang 164:16 165:3,6 68:13 79:14,16,24 95:21 96:7 100:13 337:21,22 338:1,4 chang 169:10 171:19 80:1,1,2,14 81:4 108:18 193:19 center 19:11 29:12 222:18 172:17 173:5,6,9 83:17 88:13 92:9 196:9,11,14 197:7 19:11 29:12 222:18 174:14,15 175:17 93:5,9,16 94:1 230:22 249:5 109:22 centers 175:19,24 176:16 97:8,9 104:4 258:24 270:7 11:10 85:4 105:7 16:21 163:23 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 33:18 154:21 155:4,12 337:20,23 339:8 4:14 12:12 23:8 236:6 258:6,7 226:15,4235:24 344:2,8,10,18,23 249:17 258:25	7				
147:10 149:7 222:13,19 243:16 82:16 84:15,24 250:6,8,9,17 chances 157:2,23 158:13 22:23 67:8,14 85:20 86:7,14 251:17 255:1,3,10 334:13 158:21 159:11 68:13 79:14,16,24 87:14,17 94:15 337:21,22 338:1,4 chang 169:10 171:19 80:1,1,2,14 81:4 108:18 193:19 106:19 107:16 132:17,20,24 196:9,11,14 197:7 19:11 29:12 222:18 173:24 174:3,8,9 92:12,17,20,24 224:3,23 225:21 20:22 249:5 109:22 20:13 307:24 175:19,24 176:16 97:8,9 104:4 258:24 270:7 288:17 290:13 11:10 85:4 105:7 26:15 163:23 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 331:12 332:18 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 256:15 320:16 307:4 346:7 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 26apet 4:14 12:12 23:8 236:6 258:6,7 259:1 269:12,13 319:58 210:24 310:9 311:					
157:2,23 158:13 cause 85:20 86:7,14 251:17 255:1,3,10 334:13 158:21 159:11 22:23 67:8,14 87:14,17 94:15 255:16,21 336:10 337:21,22 338:1,4 169:10 171:19 80:1,1,2,14 81:4 108:18 193:19 125:17 255:16,21 336:10 138:8 172:17 173:5,6,9 83:17 88:13 92:9 196:9,11,14 197:7 19:11 29:12 222:18 173:24 174:3,8,9 92:12,17,20,24 224:3,23 225:21 20:22 249:5 270:11 307:24 175:19,24 176:16 97:8,9 104:4 258:24 270:7 288:17 290:13 11:10 85:4 105:7 26:15 163:23 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 223:25 224:12,16 333:5 338:1 340:1 233:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 123:20 133:14,16 337:20,23 339:8 288:2,5,6,8,16 225:1,4 235:24 244:2,8,10,18,23 249:17 258:25 chapel 28:2,5,6,8,16 259:1 269:12,13 269:24 283:12 211:23,24 219:7 323:24 327:6 323:3 35:11 36:3 168:16 92:24 93				· · · · · · · · · · · · · · · · · · ·	
158:21 159:11 22:23 67:8,14 87:14,17 94:15 255:16,21 336:10 337:21,22 338:1,4 169:10 171:19 80:1,1,2,14 81:4 108:18 193:19 108:18 193:19 196:9,11,14 197:7 29:12 222:18 172:17 173:5,6,9 83:17 88:13 92:9 196:9,11,14 197:7 224:3,23 225:21 220:22 249:5 29:12 222:18 174:14,15 175:17 93:5,9,16 94:1 230:22 249:5 109:22 2615 163:23 175:19,24 176:16 97:8,9 104:4 288:17 290:13 11:10 85:4 105:7 26:15 163:23 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 331:12 332:18 256:15 320:16 230:24 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 337:20,23 339:8 24:14 12:12 23:8 236:6 258:6,7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 28:2,5,6,8,16 259:1 269:12,13 269:24 283:12 211:23,24 219:7 323:24 327:6 323:35:18 344:5 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 2		222:13,19 243:16	,		
164:16 165:3,6 68:13 79:14,16,24 95:21 96:7 100:13 337:21,22 338:1,4 138:8 169:10 171:19 80:1,1,2,14 81:4 108:18 193:19 19:11 29:12 222:18 172:17 173:5,6,9 83:17 88:13 92:9 196:9,11,14 197:7 19:11 29:12 222:18 173:24 174:3,8,9 92:12,17,20,24 224:3,23 225:21 centers 270:11 307:24 175:19,24 176:16 97:8,9 104:4 258:24 270:7 certain 26:15 163:23 176:16,20 177:6 132:15 154:13 288:17 290:13 11:10 85:4 105:7 changes 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 331:12 332:18 154:21 155:4,12 26hapel 230:24 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 282:2,5,6,8,16 259:1 269:12,13 249:17 258:25 282:9 287:15 32:3 35:11 36:3 282:5 121:24,25 289:14,25 290:4 211:23,24 219:7 226:4 257:16 335:18 344:5 252:7 145:15 158:1 290:22 291:6 266:17 267:6 266:17 267:6 266:17 267:6 266:17 267:6			· · · · · · · · · · · · · · · · · · ·		
169:10 171:19 80:1,1,2,14 81:4 108:18 193:19 center 29:12 change 172:17 173:5,6,9 83:17 88:13 92:9 196:9,11,14 197:7 19:11 29:12 222:18 173:24 174:3,8,9 92:12,17,20,24 224:3,23 225:21 centers 270:11 307:24 174:14,15 175:17 93:5,9,16 94:1 230:22 249:5 109:22 changed 175:19,24 176:16 97:8,9 104:4 258:24 270:7 certain 26:15 163:23 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 337:20,23 339:8 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 218 58:13 28:2,5,6,8,16 259:1 269:12,13 195:8 210:24 310:9 311:25 32:3 35:11 36:3 28:2,5,6,8,16 259:1 269:12,13 211:23,24 219:7 323:24 327:6 325:27 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 252:7 108:25 121:24,25 299:22 291:6 <		22:23 67:8,14	*	· · · · · · · · · · · · · · · · · · ·	<u> </u>
172:17 173:5,6,9 83:17 88:13 92:9 196:9,11,14 197:7 19:11 29:12 222:18 173:24 174:3,8,9 92:12,17,20,24 224:3,23 225:21 109:22 centers 174:14,15 175:17 93:5,9,16 94:1 230:22 249:5 109:22 changed 175:19,24 176:16 97:8,9 104:4 258:24 270:7 certain 26:15 163:23 176:16,20 177:6 132:15 154:13 288:17 290:13 11:10 85:4 105:7 changes 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 239:1 269:12,13 259:1 269:12,13 252:7 323:24 327:6 323:24 327:6 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:17 267:6 266:17 267:6 266:17 267:6	164:16 165:3,6	68:13 79:14,16,24	95:21 96:7 100:13	337:21,22 338:1,4	138:8
173:24 174:3,8,9 92:12,17,20,24 224:3,23 225:21 centers 270:11 307:24 174:14,15 175:17 93:5,9,16 94:1 230:22 249:5 109:22 changed 175:19,24 176:16 97:8,9 104:4 258:24 270:7 certain 26:15 163:23 176:16,20 177:6 132:15 154:13 288:17 290:13 11:10 85:4 105:7 changes 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 259:1 269:12,13 310:9 311:25 39:3,4,10,13 28:2,5,6,8,16 259:1 269:12,13 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6		80:1,1,2,14 81:4	108:18 193:19	center	change
174:14,15 175:17 93:5,9,16 94:1 230:22 249:5 109:22 changed 175:19,24 176:16 97:8,9 104:4 258:24 270:7 certain 26:15 163:23 176:16,20 177:6 132:15 154:13 288:17 290:13 11:10 85:4 105:7 changes 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapel 4:14 12:12 23:8 236:6 258:6,7 289:1 269:12,13 282:9 287:15 32:3 35:11 36:3 28:2,5,6,8,16 259:1 269:12,13 259:2 24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 266:17 267:6 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 268:11 288:21,23 13:1 15:5,6 106:6 charge	172:17 173:5,6,9	83:17 88:13 92:9	196:9,11,14 197:7	19:11	29:12 222:18
175:19,24 176:16 97:8,9 104:4 258:24 270:7 certain 26:15 163:23 176:16,20 177:6 132:15 154:13 288:17 290:13 11:10 85:4 105:7 changes 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 28:25,5,6,8,16 259:1 269:12,13 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 266:17 267:6 266:17 267:6 266:17 267:6 266:17 267:6 268:11 288:21,23 13:1 15:5,6 106:6 26arge	173:24 174:3,8,9	92:12,17,20,24	224:3,23 225:21	centers	270:11 307:24
176:16,20 177:6 132:15 154:13 288:17 290:13 11:10 85:4 105:7 changes 182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 28:2,5,6,8,16 259:1 269:12,13 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	174:14,15 175:17	93:5,9,16 94:1	230:22 249:5	109:22	changed
182:10 184:13 191:24 194:2 312:9 319:14,15 106:2 108:11 256:15 320:16 190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 236:6 258:6,7 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 259:1 269:12,13 259:8 210:24 310:9 311:25 39:3,4,10,13 68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	175:19,24 176:16	97:8,9 104:4	258:24 270:7	certain	26:15 163:23
190:13 237:10 196:5 197:2 320:5 329:10,20 123:20 133:14,16 337:20,23 339:8 239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 28:2,5,6,8,16 259:1 269:24 283:12 211:23,24 219:7 323:24 327:6 35:18 344:5 252:7 108:25 121:24,25 289:14,25 290:4 266:17 267:6 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 266:17 267:6 266:17 267:6 268:11 288:21,23 13:1 15:5,6 106:6 charge	176:16,20 177:6	132:15 154:13	288:17 290:13	11:10 85:4 105:7	changes
239:9 243:10 211:14 220:23 331:12 332:18 154:21 155:4,12 chapel 307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 causing 282:9 287:15 32:3 35:11 36:3 28:2,5,6,8,16 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	182:10 184:13	191:24 194:2	312:9 319:14,15	106:2 108:11	256:15 320:16
307:4 346:7 223:25 224:12,16 333:5 338:1 340:1 223:24 224:11 1:18 58:13 cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 23:24 224:11 223:24 224:11 223:24 224:11 28:2,5,6,8,16 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 266:17 267:6 281:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	190:13 237:10	196:5 197:2	320:5 329:10,20	123:20 133:14,16	337:20,23 339:8
cases 225:1,4 235:24 344:2,8,10,18,23 249:17 258:25 chapter 4:14 12:12 23:8 236:6 258:6,7 282:9 287:15 32:3 35:11 36:3 28:2,5,6,8,16 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	239:9 243:10	211:14 220:23	331:12 332:18	154:21 155:4,12	chapel
4:14 12:12 23:8 236:6 258:6,7 causing 282:9 287:15 32:3 35:11 36:3 28:2,5,6,8,16 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	307:4 346:7	223:25 224:12,16	333:5 338:1 340:1	223:24 224:11	1:18 58:13
4:14 12:12 23:8 236:6 258:6,7 causing 282:9 287:15 32:3 35:11 36:3 28:2,5,6,8,16 259:1 269:12,13 195:8 210:24 310:9 311:25 39:3,4,10,13 68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	cases	225:1,4 235:24	344:2,8,10,18,23	249:17 258:25	chapter
68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	4:14 12:12 23:8	236:6 258:6,7	causing	282:9 287:15	
68:16 92:24 93:2 269:24 283:12 211:23,24 219:7 323:24 327:6 252:7 108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge	28:2,5,6,8,16	· · · · · · · · · · · · · · · · · · ·	C		
108:25 121:24,25 289:14,25 290:4 226:4 257:16 335:18 344:5 chapters 145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge		· · · · · · · · · · · · · · · · · · ·	211:23,24 219:7		
145:15 158:1 290:22 291:6 266:17 267:6 certainly 81:24 160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge			· ·		- '
160:15 161:17 297:5 298:16 268:11 288:21,23 13:1 15:5,6 106:6 charge		· · · · · · · · · · · · · · · · · · ·			_
165:4 168:25 299:7,22 310:15 340:15 1 22:15 191:25 1 62:19	165:4 168:25	299:7,22 310:15	340:15	122:15 191:25	62:19
215:23 257:2 312:10 313:15,17 cavity 240:23 308:11 chart		•			
280:16 313:20 328:14,16 198:4 226:24 332:16 340:5,20 136:25 186:9		· · · · · · · · · · · · · · · · · · ·	•		
			<u> </u>		

charts 273:14 274:6,11,17 charts 273:14 274:6,11,17 chase 273:14 274:6,11,17 charts 273:14 274:6,11,17 charts 273:14 274:6,11,17 charts 273:12 288:12 chemical 260:11,16 55:23 cigarette 260:11,16 9:14 12:6,18 13:4 157:35:1 10:1.2 170:5,16 171:11 172:25,8 288:12 cirrumstance 82:10 197:2 76:12 87:6,12 42:16 02:1 62:1 276:19,22 277:1 276:19,22 277:1 276:19,22 277:1 288:4,23 29:23 29:7 53:19 72:9,13 29:23 29:7 53:19 72:9,13 29:23 29:7 53:19 72:9,13 29:23 29:7 53:19 72:9,13 20:22 20:33 29:7 53:19 72:9,13 20:22 20:33 20:72:24 20:22 20:3 20:72:24 20:22 20:3 20:22 20:3 20:72:24 20:22 20:3 20:72:24 20:22 20:3 20:72:24 20:22 20:3 20:72:24 20:22 20:3 20:72:24 20:22 20:3 20:72:23 10:10 22:11 23:91 (20:22 20:33 28:9) 23 19:12 23:11 23:91 23:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:14 249:1 25:13 23:22 23:1 23:22 23:1 23:23:23 23:23 23:23 23:23 23:23 23:23 24:23 240:3 25:22 240:3 25:23 23:23					rage 337
273:14 274:6,11,17 chase 245:14 245:14 245:14 245:14,14 245:14,15 255:23 chrecking 41:17 1:12 4:10,16,18 555:23 260:11,16 circumstance 13:14 15:7 35:1 288:12 circumstance 288:12 97:2 276:19,22 277:1 287:21 288:4,5 276:19,22 277:1 287:21 288:4,5 260:11,33 36:20 90:17 123:25 215:21 291:2 306:21 200:12 290:23 290:23 290:23 290:23 290:23 290:23 290:23 290:23 290:23 290:23 290:20 290:29 233:22 22,22 200:20 201:2,9 233:20 113:17 200:20 201:2,9 233:21 201:20 245:18 246:1 263:15,16,23 264:4 232:12 236:10 245:18 246:1 249:1 252:14 249:1 249:1 249:1 249:1 249:1 249:1 249:1 249:1 249:1 249:1 249:1 249:1 249:1 2	charts	329:19	12:22 35:8	114:7 328:4	156:6.19 157:1
chase 245:14 dor/syotile checking clarkepearson 238:2 246:11:7 clarkepearson 1:12 4:10,16,18 285:19,20,22,25 225:19,20,22,25 170:5,16 171:16 171:21 172:2,25,8 170:5,16 171:16 171:21 172:2,25,8 170:5,16 171:16 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,5,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,25,8 171:21 172:2,5,8 171:21 172:2,25,8 171:21 172:2,5,8 172:15 18,21 200:21 20:10 chior.2 200:21 20:10 200:21 20:12 200:21 20:12 200:21 20:13 200:21 20:13 200:21 20:13 200:22 20:33 201:22 19:22 207:24 208:25					7
238:2 chemical 260:11,16 clarkepearson 285:19,20,22,25 closes clarette 260:11,16 clarette 276:19,22 277:1 clarette 282:10 197:2 cirrhosis 282:0 197:2 cirrhosis 282:0 197:2 cirrhosis 282:0 198:2 clite 291:123 clite 297:753:19 72:9,13 clite 299:17 123:25 clite 299:17 123:25 clite 159:25 187:16,18 260:2 343:10 clinical 175:2 72:10 colleague colleague colleague collected classification 232:22,22 207:24 208:25 214:9 225:11 232:12 236:10 245:18 246:1 232:12 236:10 244:18 235:6 244:18 235:6 248:23 342:23 248:23 342:23 248:23 342:23 248:23 342:23 232:22,25 225:4,22 226:5 225:2,24 236:0 225:2,23 239:1 225:2,23 239:1 236:2,1,1,1,7,2,2,1,3,22 236:0 236:2,1,1,1,1,2,2,3,2,4 236:0 236:2,1,1,1,1,2,2,3,2,4 236:0 236:2,1,1,1,1,2,2,3,2,4 236:0 236:2,1,1,1,1,2,2,3,2,4 236:0 236:2,1,1,1,1,2,2,3,2,4 236:0 236:2,1,1,1,1,2,2,3,2,4 236:0 236:0 236:0 236:0 236:0		· ·	•		
checking chemical chemical 288:12 chemicals 289:4,13,23 291:24 291:25 291:25 291:25 291:25 291:25 291:25 291:25 291:25 291:45 291:25 291:36 291:25					
55:23 chemical chemical chemical chemical 260:11,16 260:11,16 276:19,22 277:1 288:12 circumstance 276:19,22 277:1 287:21 288:4,5 289:4,13,23 291:23 297:7 33:19 72:9,13 159:25 187:16,18 260:23 43:10 219:22 219:23 200:20 201:2,9 348:3 200:20 201:2,9 348:3 200:20 201:2,9 348:3 200:20 201:2,9 348:3 200:20 201:2,9 348:3 200:20 201:2,9 348:3 200:20 201:2,9 348:3 200:20 201:2,9 348:3 200:20 201:2,9 248:22 22,22 251:20 25:1 230:10 2			-	, , ,	
chemical 288:12 289:4,132 291:23 291:24 29		· ·			7
288:12		0			
chemicals 82:10 197:2 cirrhosis 76:12 87:6,12 88:2,9 89:20 4:21 60:21 62:1 84:3 102:9 112:14 186:4 cohorts 287:21 288:4,5 289:4,13,23 291:23 cite 152:20 156:19 215:21 291:2 112:15 188:3 136:20 139:17,23 140:6 coil 139:17,23 140:6 coil 215:21 291:2 112:15 188:3 139:17,23 140:6 coil 215:21 291:2 112:14 188:22 186:14 175:2 172:10 139:17,23 140:6 coil 239:17,23 140:6 coil 239:17,23 140:6 coil 239:17,23 140:6 coil 249:18:25 187:16,18 260:2 343:10 260:2 343:10 260:2 343:10 260:2 20:2 205:3 248:2 207:24 208:25 208:20 208:25 208:2		,	*	· · · · · · · · · · · · · · · · · · ·	
276:19,22 277:1 287:21 288:4,5 336:20 90:17 123:25 112:15 188:3 297:23 297:23 297:53:19 72:9,13 177:25 184:6 112:15 188:3 215:21 291:2					
287:21 288:4,5 289:4,13,23 cite 29:7 53:19 72:9,13 159:25 187:16,18 29:7 53:19 72:9,13 177:25 184:6 177:20					
289:4,13,23 291:23 29:7 53:19 72:9,13 152:20 156:19 215:21 291:2 139:17,23 140:6 colleague 72:10 colleague colleag	·				
291:23	_				
chemotherapy 88:23 89:25 148:2 185:25 186:14 175:2 72:10 colleagues chicago 190:7 199:13 346:18 347:2 35:10 46:13 59:17 307:20 delitoris colleagues children 202:2 205:3 348:3 clitoris collected collection 322:22,22 207:24 208:25 4:13 55:12 close collection collection chlamydia 214:9 225:11 243:18 246:1 224:12 236:10 124:12 150:16 333:21,8,22 collection chlorinated 245:18 246:1 124:22 330:9 333:10 collections 15:15 328:10 254:16 255:23 5:24 80:13 81:3 209:20 coauthor collectively 38:9,23 149:2 317:15 cited 124:17 126:5 coauthor 99:4,14,22 170:14 college chronic 238:21 319:2 cites 10:2 24:15 25:1 cobat 229:24 230:13 229:24 230:13 229:24 230:13 229:24 230:13 229:24 230:13 229:24 230:13 229:24 230:13 229:25 23:25:2 260:10,12,19,21,22 260:10,12,19,21,22	• • • • • • • • • • • • • • • • • • •				
159:25 187:16,18 260:2 343:10 346:18 347:2 35:10 46:13 59:17 307:20 20:13:17 200:20 201:2,9 348:3 clitoris 166:1 166:1 166:1 20:22 20:33 22:22,22 207:24 208:25 214:9 225:11 23:12 236:10 224:12 236:10 245:18 246:1 245:18 246:1 25:46 255:23 224:10 25:13 24:12 230:9 333:10 collections 245:18 246:1 24:12 230:9 333:10 collections 25:15 24:10 25:23 22:14 23:11 26:35 22:14 23:11 26:35 22:14 23:11 26:35 22:14 23:11 26:35 22:14 23:11 26:35 23:10 24:12 12:13 3:9 24:17 126:5 24:17 126:5 24:17 126:5 24:17 126:5 24:17 126:2 24:17 126:5 24:17 126:2 24:					
chicago 190:7 199:13 346:18 347:2 35:10 46:13 59:17 307:20 children 200:22 205:3 200:22 205:3 348:3 clitoris 46:13 59:17 307:20 chlamydia 207:24 208:25 214:9 225:11 4:13 55:12 close collection 263:15,16,23 264:4 232:12 236:10 237:7 238:17 classification 53:3 57:3 216:8 48:12 264:8 237:7 238:17 classified closely 15:15 chlorinated 249:1 252:14 249:1 252:14 classified closer 33:10 collectively 328:10 256:5 257:9 259:13,16 296:13 329:24 299:4,14,22 170:14 299:4,14,22 170:14 299:4,14,22 170:14 200:20 200:20 200:20 200:10 201:18 147:7 330:4 chromic 138:25 159:19 126:22 coauthored 99:4,14,22 170:14 201:18 147:7 231:24 233:1 245:19 245:19 126:22 260:10,12,19,21,22 260:10,12,19,21,22 260:10,12,19,21,22 260:10,12,19,21,22 260:10,12,19,21,22 260:10,12,19,21,22 260:10,12,19,21,22 <td>1 0</td> <td></td> <td></td> <td></td> <td></td>	1 0				
3:20 113:17		,			
children 202:2 205:3 clarkepearsons 198:1 166:1 322:22,22 207:24 208:25 4:13 55:12 close collection 263:15,16,23 264:4 232:12 236:10 124:1,2 150:16 333:2,18,22 collections 264:8 237:7 238:17 classifications 124:1,2 150:16 333:2,18,22 collections chlorinated 245:18 246:1 124:22 330:9 333:10 collectively 326:16 249:1 252:14 classified closer 37:7 chlorine 254:16 255:23 5:24 80:13 81:3 209:20 collectively 38:9,23 149:2 317:15 classifies 259:13,16 296:13 329:24 99:4,14,22 170:14 column 38:9,23 149:2 317:15 classifies 124:19 coauthore 99:4,14,22 170:14 column 330:4 138:25 159:19 126:22 cobalt 229:24 230:13 249:25 282:2 225:4,22 226:5 245:19 31:4 39:15 52:8 260:10,12,19,21,22 260:10,12,19,21,22 260:10,12,19,21,22 260:10,12,19,21,22 260:10,16,21					
322:22,22 207:24 208:25 214:9 225:11 2assification 124:1,2 150:16 232:12 236:10 124:1,2 150:16 237:7 238:17 2dissifications 124:1,2 150:16 237:7 238:17 2dissifications 124:1,2 150:16 233:1,18,22 collections 124:1,2 150:16 235:18 246:1 124:22 330:9 333:10 collectively 326:16 249:1 252:14 classified 249:1 252:14 classified 249:1 252:14 classified 255:23 328:10 256:5 257:9 254:16 255:23 317:15 259:13,16 296:13 339:24 248:22 342:23 cited 124:19 259:13,16 296:13 239:24 classifies 124:19 classifies 251:4 coauthore 238:21 319:2 classifying 99:1 170:20,24 171:7 26:22 230:22 231:10,20 231:24 233:1 240:3 252:2 citing 231:24 233:1 240:3 252:2 citing 231:24 233:1 240:3 252:2 citing 231:24 233:1 240:3 252:2 citizen 151:12 153:9,24 234:5 245:15,19 245:22 249:5 245:15,19 245:22 249:5 245:22 249:5 257:6 269:12 313:20 315:22 43:22 231:10,20 243:22 243:23 243:24 243:23 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 243:24 2					
chlamydia 214:9 225:11 classification 53:3 57:3 216:8 48:12 collections 264:8 237:7 238:17 classifications closely 15:15 collectively 326:16 249:1 252:14 classified closer 37:7 collectively 328:10 254:16 255:23 5:24 80:13 81:3 209:20 college 38:9,23 149:2 259:13,16 296:13 329:24 99:4,14,22 170:14 column 38:9,23 149:2 248:22 342:23 cited 124:19 coauthored 100:5 101:18 147:7 248:22 342:23 cited 124:19 coauthored 160:14,18 170:13 30:4 138:25 159:19 238:21 319:2 clear 330:5 249:25 282:2 7:3 221:22,25 cites 10:2 24:15 25:1 coffee coffee 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 citizen 15:12 153:9,24 25:10 27:10;27 249:25 26:7,11,17,22 236:6,11,11 237:3 17:13 154:9 156:14 235:10 289			-		
263:15,16,23 264:4 264:8 264:8 264:8 232:12 236:10 237:7 238:17 classifications 124:1,2 150:16 classifications 333:2,18,22 closely collections 326:16 249:1 252:14 chlorine 249:1 252:14 classified 264:16 255:23 classified 333:10 closer 37:7 college 328:10 256:5 257:9 chose 259:13,16 296:13 dlassifies 329:24 classifies 259:13,16 296:13 dlassifies 99:4,14,22 170:14 coauthor 99:4,14,22 170:14 coauthor 99:4,14,22 170:14 coauthor 100:5 101:18 147:7 coauthored 160:14,18 170:13 coauthored 160:14,18 170:13 coauthored 160:14,18 170:13 coauthored 170:20,24 171:7 coauthored 160:14,18 170:13 coauthored 160:14,18 170:13 coauthored 170:20,24 171:7 coauthored 170:20,24 171:7 coauthored 160:14,18 170:13 coauthored 170:20,24 171:7 coauthored<	*				
264:8 chlorinated 237:7 238:17 245:18 246:1 245:12 230:9 closely 333:10 collectively 15:15 collectively 326:16 chlorine 249:1 252:14 classified closer 209:20 college 37:7 college 328:10 256:5 257:9 chose 259:13,16 296:13 desifies 259:13,16 296:13 desifies 259:13,16 296:13 desifies 251:4 coauthor 209:4,14,22 170:14 desifies 209:20 college 209:20 college 38:9,23 149:2 248:22 342:23 chromium 317:15 cited 124:19 classifies 251:4 coauthored 160:14,18 170:13 desifies 251:4 coauthored 160:14,18 170:13 desifies 100:5 101:18 147:7 coauthored 160:14,18 170:13 desifies 251:4 coauthored 160:14,18 170:13 desifies 251:4 coauthored 160:14,18 170:13 desifies 251:4 desifies 251:4 desifies 251:4 desifies 251:4 desifies 100:5 101:18 147:7 desifies 170:20,24 171:7 desifies 251:4 desifies 251:4 desifies 170:20,24 171:7 desifies 251:4 desifies 251:4 desifies 170:20,24 171:7 desifies 170:20,24 171:7 desifies 251:4 desifies 251:4 desifies 170:20,24 171:7 desifies 251:4 desifies 251:4 desifies 170:20,24 171:7 desifies 251:4 desifies 251:4 desifies 170:20,24 171:7 desifies 260:10,12,19,21,22 desifies 251:4 desifies 251:4 desifies 260:10,12,19,21,22 desifies 260:10,12,19,21,22 desifies 260:10,12,19,21,22 desifies 170:20,24 171:7 desifies 260:10,12,19,21,22 de					_
chlorinated 245:18 246:1 124:22 330:9 333:10 collectively 326:16 249:1 252:14 classified 37:7 chlorine 254:16 255:23 5:24 80:13 81:3 209:20 college 328:10 256:5 257:9 124:17 126:5 209:20 college 38:9,23 149:2 317:15 259:13,16 296:13 329:24 99:4,14,22 170:14 column 38:9,23 149:2 317:15 classifies 251:4 coauthored 160:14,18 170:13 248:22 342:23 cited 124:19 coauthored 160:14,18 170:13 240:30:1 138:25 159:19 126:22 cobalt 229:24 230:13 25:4,22 226:5 245:19 31:4 39:15 52:8 260:10,12,19,21,22 com 230:22 231:10,20 citing 80:25 133:15,16 260:10,12,19,21,22 1:25 2:6,7,11,17,22 230:22 231:10,20 citing 15:12 153:9,24 235:10 249:25 28:2 236:6,11,11 237:3 117:13 154:9 156:14 235:10 249:18 257:16 234:18 235:6 citzen 15:29 120:2			· · · · · · · · · · · · · · · · · · ·	, , ,	
326:16				•	
chlorine 254:16 255:23 5:24 80:13 81:3 209:20 college 328:10 256:5 257:9 329:24 95:10 105:14 38:9,23 149:2 317:15 329:24 99:4,14,22 170:14 column 248:22 342:23 cited 124:19 coauthored 160:14,18 170:13 chromium 12:11 33:9 71:22 classifies 99:1 170:20,24 171:7 330:4 138:25 159:19 clear 330:5 229:24 230:13 7:3 221:22,25 cites 10:2 24:15 25:1 230:2 231:10,20 249:25 282:2 233:24 233:1 240:3 252:2 150:10,13 15:6 121:15,17 122:7 combination 234:18 235:6 citizen 151:12 153:9,24 154:19 156:14 235:10 289:8 237:21 238:5 citizens 195:20 197:15 24:10 51:11 85:13 289:8 241:17 242:23 246:13 225:23 245:23 85:19 118:22 260ine 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed cleared 144:13 14					
328:10					
chose 259:13,16 296:13 329:24 99:4,14,22 170:14 column 38:9,23 149:2 317:15 classifies 124:19 coauthored 160:14,18 170:13 chromium 12:11 33:9 71:22 classifying 99:1 170:20,24 171:7 330:4 138:25 159:19 126:22 cobalt 229:24 230:13 chronic 238:21 319:2 clear 330:5 249:25 282:2 7:3 221:22,25 cites 10:2 24:15 25:1 coffee comm 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 comm 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 citizen 154:9 156:14 235:10 289:8 237:21 238:5 citizens 195:20 197:15 cohort 289:8 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed cleared 1					
38:9,23 149:2 317:15 cited 124:19 coauthored 160:14,18 170:13 chromium 12:11 33:9 71:22 classifying 99:1 170:20,24 171:7 330:4 138:25 159:19 126:22 cobalt 229:24 230:13 chronic 238:21 319:2 clear 330:5 249:25 282:2 7:3 221:22,25 cites 245:19 31:4 39:15 52:8 260:10,12,19,21,22 com 230:22 231:10,20 citing 80:25 133:15,16 260:10,12,19,21,22 3:6,10,16,21 234:18 235:6 citizen 150:10,13 151:6 121:15,17 122:7 combination 236:6,11,11 237:3 179:13 154:9 156:14 235:10 241:15 257:16 237:21 238:5 246:13 210:2 220:23 24:10 51:11 85:13 289:8 241:17 242:23 246:13 225:23 245:23 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed cleared 144:13 145:8,15 181:5,7 316:2,5,12,15,21 317:2,7,9,13,22 290:12 22:21 146:12,14,19,25 combining					
248:22 342:23 cited 124:19 coauthored 160:14,18 170:13 chromium 12:11 33:9 71:22 classifying 99:1 170:20,24 171:7 330:4 138:25 159:19 126:22 cobalt 229:24 230:13 chronic 238:21 319:2 clear 330:5 249:25 282:2 7:3 221:22,25 cites 10:2 24:15 25:1 coffee com 225:4,22 226:5 245:19 31:4 39:15 52:8 260:10,12,19,21,22 1:25 2:6,7,11,17,22 230:22 231:10,20 citing 80:25 133:15,16 cogent 121:15,17 122:7 combination 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 citizen 154:9 156:14 235:10 289:8 237:21 238:5 citizens 195:20 197:15 cohort 249:8 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 313:20 315:22 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
chromium 12:11 33:9 71:22 classifying 99:1 170:20,24 171:7 330:4 138:25 159:19 126:22 cobalt 229:24 230:13 chronic 238:21 319:2 clear 330:5 249:25 282:2 7:3 221:22,25 cites 10:2 24:15 25:1 coffee companies 225:4,22 226:5 245:19 31:4 39:15 52:8 coffee 260:10,12,19,21,22 3:6,10,16,21 230:22 231:10,20 citing 80:25 133:15,16 260:10,12,19,21,22 3:6,10,16,21 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 17:13 154:9 156:14 235:10 289:8 237:21 238:5 citizens 195:20 197:15 24:10 51:11 85:13 289:8 241:17 242:23 246:13 210:2 220:23 85:19 118:22 combine 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 </td <td></td> <td></td> <td></td> <td></td> <td></td>					
330:4 138:25 159:19 126:22 cobalt 229:24 230:13 7:3 221:22,25 cites 10:2 24:15 25:1 coffee commod 225:4,22 226:5 245:19 31:4 39:15 52:8 260:10,12,19,21,22 commod 230:22 231:10,20 citing 80:25 133:15,16 260:10,12,19,21,22 3:6,10,16,21 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 citizen 151:12 153:9,24 coherence 241:15 257:16 237:21 238:5 citizens 195:20 197:15 235:10 289:8 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 313:20 315:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 290:12 22:21 147:24 148:3 181:20 188:6			=		T
chronic 238:21 319:2 clear 330:5 249:25 282:2 7:3 221:22,25 cites 10:2 24:15 25:1 coffee com 225:4,22 226:5 245:19 31:4 39:15 52:8 260:10,12,19,21,22 1:25 2:6,7,11,17,22 230:22 231:10,20 citing 80:25 133:15,16 cogent 3:6,10,16,21 234:18 235:6 citizen 151:12 153:9,24 coherence 241:15 257:16 236:6,11,11 237:3 117:13 154:9 156:14 235:10 289:8 237:21 238:5 citizens 195:20 197:15 cohort combine 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 257:6 269:12 182:2 190:21 254:12 312:21 144:13 145:8,15 170:4 174:11 257:6 269:12 313:20 315:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21			· C		T
7:3 221:22,25 cites 10:2 24:15 25:1 coffee com 225:4,22 226:5 245:19 31:4 39:15 52:8 260:10,12,19,21,22 1:25 2:6,7,11,17,22 230:22 231:10,20 citing 80:25 133:15,16 260:10,12,19,21,22 3:6,10,16,21 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 17:13 154:9 156:14 235:10 289:8 237:21 238:5 246:13 195:20 197:15 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 23:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6					
225:4,22 226:5 245:19 31:4 39:15 52:8 260:10,12,19,21,22 1:25 2:6,7,11,17,22 230:22 231:10,20 citing 80:25 133:15,16 3:6,10,16,21 3:6,10,16,21 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 citizen 151:12 153:9,24 coherence 241:15 257:16 237:21 238:5 citizens 195:20 197:15 cohort 289:8 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6					
230:22 231:10,20 citing 80:25 133:15,16 cogent 3:6,10,16,21 231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 citizen 151:12 153:9,24 coherence 241:15 257:16 236:6,11,11 237:3 117:13 154:9 156:14 235:10 289:8 237:21 238:5 citizens 195:20 197:15 cohort combine 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed cleared 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6	•				
231:24 233:1 240:3 252:2 150:10,13 151:6 121:15,17 122:7 combination 234:18 235:6 117:13 154:9 156:14 235:10 289:8 237:21 238:5 246:13 240:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 246:13 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 233:20 315:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 230:12 22:21 147:24 148:3 181:20 188:6	*				
234:18 235:6 citizen 151:12 153:9,24 coherence 241:15 257:16 236:6,11,11 237:3 117:13 154:9 156:14 235:10 289:8 237:21 238:5 citizens 195:20 197:15 cohort combine 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6	-		· · · · · · · · · · · · · · · · · · ·		
236:6,11,11 237:3 117:13 154:9 156:14 235:10 289:8 237:21 238:5 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed cleared 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6				· · · · · · · · · · · · · · · · · · ·	
237:21 238:5 citizens 195:20 197:15 cohort combine 241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6			,		
241:17 242:23 246:13 210:2 220:23 24:10 51:11 85:13 179:7 243:5 245:15,19 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6					
243:5 245:15,19 claim 225:23 245:23 85:19 118:22 combined 245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6					
245:22 249:5 182:2 190:21 254:12 312:21 143:25 144:7,10 170:4 174:11 257:6 269:12 claimed 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6					
257:6 269:12 claimed cleared 144:13 145:8,15 combines 313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6	_				
313:20 315:22 43:22 328:23 329:1 145:20 146:8,11 181:5,7 316:2,5,12,15,21 claims 146:12,14,19,25 combining 317:2,7,9,13,22 290:12 147:24 148:3 181:20 188:6				· · · · · · · · · · · · · · · · · · ·	
316:2,5,12,15,21 claims clearer 146:12,14,19,25 combining 147:24 148:3 181:20 188:6				· · · · · · · · · · · · · · · · · · ·	
317:2,7,9,13,22 290:12 22:21 147:24 148:3 181:20 188:6				· · · · · · · · · · · · · · · · · · ·	,
		clarification	clearly		
		<u> </u>	<u> </u>	<u> </u>	

24:23,24 45:22
46:6,10,19 81:19 community 39:11 340:5 confuses 108:14 164:19 25:22 44:22:9,18 22:3 204:22 207:16 260:6 311:24 316:24 321:1 264:11 333:5 components 221:12,14 231:18 104:20 319:18 companies 253:11 264:11 267:14 247:17 conduct conses 140:17 174:17 319:18 companies 273:19 274:2 275:8 compounds 266:5,6 331:17 company conducted 25:9,21 333:5 coming 74:18 75:23 76:13 272:12 294:2,4 306:9 349:5 42:33 44:4,25 coming 236:23 243:25 comparable 208:15 248:3 221:13 95:9,14 109:1 128:16 230:14 295:6 compared 209:18 210:5 256:6 126:25 137:23 135:9 150:10,13 247:6 291:14 319:20 concentrations 150:4 191:18 183:14 193:2 comments 329:20 322:6 175:25 176:4 222:10 225:4 228:10 249:21 233:4 241:1 comparison 185:8 222:10 225:4 230:10 274:10,
82:6,10,19 83:1,2 108:14 164:19 23:25 24:1 25:9,18 25:21 49:2 81:10 22:3 component 204:22 207:16 connection 26:0:6 connection 225:23 295:15 311:24 316:24 321:11 232:11 25:21 49:2 81:10 267:14 247:17 267:14 247:17 221:12,14 231:18 247:17 267:14 247:17 273:19 274:2 275:8 273:19 274:2 275:8 273:19 274:2 275:8 273:19 274:2 275:8 273:19 274:2 275:8 273:19 274:2 275:8 293:24 226:12 208:15 248:3 222:13 282:22 33:8 41:8,13 42:5,8 292:29 86:20 87:6,12 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 294:2,4 30:69 349:5 42:23 44:4,25 209:18 210:5 256:6 126:25 137:23 135:9 150:10,13 14:18 109:10 249:21 135:24 242:2 207:16 247:17 concentration conduct 25:9,21 333:5 conpectration 294:2,4 30:69 349:5 42:13 282:22 33:8 41:8,13 42:5,8 294:2,4 30:69 349:5 42:23 44:4,25 209:18 210:5 256:6 126:25 137:23 135:9 150:10,13 14:18 20:15 256:6 126:25 137:23 135:9 150:10,13 14:18 20:25 149:18 139:19 109:10 249:21 253:4 244:20 20:11 4319:20 20:12 247:6 20:14 141:12 21 22:12 25:4 24:10 30:11 30:14 29:12 25:4 24:10 30:11 30:14 29:12 25:4 24:10 30:13 13:14 20:12 25:4 24:10 30:11 30:14 29:13 13:14 20:12 25:4 24:10 30:11 30:14 29:12 25:4 24:10 30:11 30:14 29:12 25:4 24:10 30:13 13:14 20:12 25:4 24:11 20:11 30:14 29:12 25:4 24:14 20:14 20:14 29:14
108:14 164:19 25:21 49:2 81:10 222:3 204:22 207:16 221:12,14 231:18 221:12,14 231:18 221:12,14 231:18 221:12,14 231:18 221:12,14 231:18 227:17 coms 227:12 237:19 274:2 275:8 compound 287:12 288:15 247:12 comsensus 229:9 86:20 87:6,12 259:21 333:5 206:5,6 331:17 272:12 294:2,4 306:9 349:5 42:23 44:4,25 226:12 236:23 243:25 compare 230:14 295:6 compared 230:14 295:6 compared 247:6 comments 229:14 319:20 comments 229:25 296:3 337:9 commente 224 225:25 296:3 337:9 commente 224 225:25 296:3 337:9 committed 247:10 committed 248:13 032:14 225:24 226:12 22
225:23 295:15 311:24 316:24 321:11 87:1 89:2 141:7 253:11 264:11 333:5 components 267:14 221:12,14 231:18 247:17 104:20 cons comes 140:17 174:17 319:18 companies 273:19 274:2 275:8 319:18 compounds company 287:12 288:15 compounds compounds 273:19 274:2 275:8 compounds compounds compounds compounds compounds compounds compounds compounds compounds compound conpound conpoun
311:24 316:24 323:11 264:11 333:5 compound comes companies 273:19 274:2 275:8 compounds 287:12 288:15 compounds 247:17 conduct 247:18 247:18 247:18 247:18 247:18 247:18 247:18 249:13 282:22 33:8 41:8,13 42:5,8 33:8 41:8,13 42:5,8 30:69:349:5 42:23 44:4,25 22:13 95:9,14 confidence 22:13 95:9,14 confidence 22:13 95:9,14 confidence 126:25 137:23 135:9 150:10,13 135:9
321:11 333:5 companies 273:19 274:2 275:8 compound 287:12 288:15 conduct 247:12 consensus 25:9,21 333:5 compounds 292:9 86:20 87:6,12 294:13 282:22 33:8 41:8,13 42:5,8 294:24 226:12 compare conceded 22:3 94:2,4 conference 236:23 243:25 compare 236:23 243:25 compare 236:23 243:25 compare 230:14 295:6 compare 230:14 295:6 compare 230:14 295:6 compare 230:14 295:6 compare 230:24 226:12 230:14 295:6 compare 230:14 295:6 compare 230:23 243:25 compare 230:14 295:6 compare 230:14 295:6 compare 230:20 322:6 230:20 322:6 230:20 322:6 230:20 322:6 230:20 322:6 230:20 322:6 230:20 322:6 240:11 216:1 255:24 conceded 240:20 225:4 250:25 296:3 250:20 322:6 240:11 216:1 255:24 conceded 240:20 225:4 240:20 225:4 240:20 225:4 240:20 225:4 240:20 225:4 220:20 220:20 220:20 220:20 220:20 220:20 220:20 220:20 220:20 2
comes companies 273:19 274:2 275:8 287:12 288:15 247:12 conducted 25:9,21 333:5 319:18 company 74:18 75:23 76:13 292:9 86:20 87:6,12 25:9,21 333:5 266:5,6 331:17 272:12 294:2,4 306:9 349:5 42:23 44:4,25 coming 208:15 248:3 22:13 95:9,14 209:11 134:18 301:17 183:10 185:4,24 209:18 210:5 256:6 22:13 95:9,14 109:1 128:16 230:14 295:6 compared concentration 139:4 291:23 142:1 149:23 170:10 180:25 247:6 291:14 319:20 concern 282:10 243:24 244:20 295:25 296:3 337:9 concern 282:10 243:24 244:20 295:25 296:3 337:9 conclude 175:14 172:21 confirm 249:21 253:4 241:1 comparison 248:10 303:11 87:19 274:20 considerations 289:8 187:22 306:6 333:5 concluded 239:10 274:10,16 considerations 241:1 compensation 113:2 140:23,24
140:17 174:17 319:18 273:19 274:2 275:8 company compounds 292:9 25:9,21 333:5 86:20 87:6,12 25:9,21 333:5 consider 266:5,6 331:17 coming 32:24 226:12 236:23 243:25 301:17 208:15 208:15 248:3 209:18 210:5 256:6 209:18 210:5 256:6 22:13 95:9,14 209:18 210:5 256:6 109:1 128:16 209:18 210:5 256:6 129:21 134:18 109:1 128:16 230:14 295:6 comment 230:14 295:6 commenting 247:6 291:21 291:23 209:18 210:5 256:6 126:25 137:23 135:9 150:10,13 135:9 150:10,13 247:6 commence 295:25 296:3 295:25 296:3 295:25 296:3 295:25 296:3 298:8 291:24 291:14 319:20 330:20 322:6 119:16,19 157:5 200:104e confident 282:10 200:18 210:2 25:4 200:18 210:2 25:4 129:11 134:18 200:14 211:1 183:14 193:2 200:18 210:2 25:4 282:10 248:10 303:11 248:10 303:11 306:6 833:5 200:104e 249:21 253:4 275:2,7 275:2,7 249:21 253:4 275:2,7 275:2,7 275:2,7 2000000000000000000000000000000000000
319:18
comfortable 74:18 75:23 76:13 computer 249:13 282:22 33:8 41:8,13 42:5,8 266:5,6 331:17 272:12 294:2,4 306:9 349:5 42:23 44:4,25 coming 236:23 243:25 208:15 248:3 22:13 95:9,14 109:1 128:16 230:14 295:6 230:14 295:6 291:23 126:25 137:23 135:9 150:10,13 247:6 291:14 319:20 200:18 210:5 256:6 150:4 191:18 183:14 193:2 295:25 296:3 337:9 200:10 25:4 282:10 249:21 253:4 299:28 210 225:4 291:14 319:20 282:10 249:22 244:20 295:25 296:3 337:9 200:10 25:4 282:10 249:21 253:4 299:25 176:4 222:10 225:4 223:13 23:14 275:2,7 289:8 187:22 306:6 333:5 200:10 274:10,16 200:10 274:10,16 208:23 109:3,7 20mparison 113:2 140:23,24 236:23 242:16 236:23 242:16 236:23 242:16 236:23 242:16 200:16 4:496:16 237:11 11 236:18 236:16 236:23 242:16 236:23 242:16 236:23 242:16 236:23 242:16
266:5,6 331:17 coming 272:12 comparable 294:2,4 conceded 306:9 349:5 conference 42:23 44:4,25 desity 45:8 46:17 107:13 desity 45:8 46:17 107:13 desity 109:1 128:16 desity 109:1 128:1 128:18 desity 109:1 128:1 128:18 desity 113:1 128:1 18:1 128:1 135:9 150:10,13 13 170:10 180:25 137:23 desity 109:1 128:1 149:23 desity 170:1 180:25 25:24 28:210 desity 194:3 129:3 13:14 desity 170:1 180:25 25
coming comparable conceded conference 45:8 46:17 107:13 32:24 226:12 208:15 248:3 22:13 95:9,14 109:1 128:16 301:17 183:10 185:4,24 209:18 210:5 256:6 126:25 137:23 135:9 150:10,13 comment 339:4 291:23 142:1 149:23 170:10 180:25 230:14 295:6 compared concentrations 150:4 191:18 183:14 193:2 commenting 291:14 319:20 255:24 confident 194:3 224:2 247:6 291:14 319:20 200:00 322:6 119:16,19 157:5 confident 194:3 224:2 295:25 296:3 337:9 comclude 310:2 313:14 275:2,7 commerce comparison 187:12 21 30:6 86:21 87:7,13 18:1 289:8 187:22 306:6 333:5 confirmed 239:10 274:10,16 consideration 241:1 185:8 99:5 100:7 104:9 132:24:10,16 considered 67:18 108:20,21,22 61:1,6,11,21,25,25 174:22 302:21 335:18,23 conflict 4:19 33:6,18 43:6
32:24 226:12 208:15 248:3 22:13 95:9,14 109:1 128:16 236:23 243:25 301:17 183:10 185:4,24 209:18 210:5 256:6 126:25 137:23 135:9 150:10,13 230:14 295:6 compared concentrations 150:4 191:18 183:14 193:2 commenting 176:11 216:1 255:24 confident 194:3 224:2 247:6 291:14 319:20 concern 282:10 243:24 244:20 295:25 296:3 337:9 conclude 171:14 172:21 249:21 253:4 299:8 175:25 176:4 222:10 225:4 239:10 274:20 considerable 241:1 185:8 99:5 100:7 104:9 33:22 31:11 considerations 241:1 185:8 99:5 100:7 104:9 239:10 274:10,16 considerations 241:1 185:8 99:5 100:7 104:9 236:23 242:16 considerations 251:10:23 174:22 302:21 335:18,23 60:21 64:4 96:16 60:21 64:4 96:16 295:25 296:3 38:2 comparison 174:22 302:21 235:18,19 336:5 18:1 considerations <
236:23 243:25 compare concentration confidence 129:11 134:18 301:17 339:4 291:23 142:1 149:23 170:10 180:25 230:14 295:6 compared concentrations 150:4 191:18 183:14 193:2 247:6 291:14 319:20 concern 282:10 243:24 244:20 comments 320:20 322:6 19:16,19 157:5 confident 243:24 244:20 295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce comparing 17:14 172:21 30:6 86:21 87:7,13 87:19 274:20 consideration 289:8 187:22 306:6 333:5 concluded 239:10 274:10,16 considerations 241:1 185:8 99:5 100:7 104:9 236:23 242:16 considerations 67:18 108:20,21,22 108:23 109:3,7 174:22 302:21 335:18,23 60:21 64:4 96:16 109:10 73:24 74:15 342:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 260:16 260:16 268:18 286:6
301:17 183:10 185:4,24 209:18 210:5 256:6 126:25 137:23 135:9 150:10,13 200:14 295:6 compared 291:23 142:1 149:23 170:10 180:25 230:14 295:6 compared 176:11 216:1 255:24 confident 194:3 224:2 247:6 291:14 319:20 concern 282:10 243:24 244:20 295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce comparing 171:14 172:21 confirm 248:10 303:11 87:19 274:20 consideration 289:8 187:22 30:6 86:21 87:7,13 87:19 274:20 consideration 241:1 185:8 29:5 100:7 104:9 239:10 274:10,16 considerations 241:1 185:8 20:10 225:4 239:10 274:10,16 considerations 241:1 185:8 239:5 100:7 104:9 236:23 242:16 considered 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 335:18,23 60:21 64:4 96:16 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 <t< td=""></t<>
comment 339:4 291:23 142:1 149:23 170:10 180:25 230:14 295:6 compared concentrations 150:4 191:18 183:14 193:2 247:6 291:14 319:20 concern 282:10 243:24 244:20 comments 320:20 322:6 119:16,19 157:5 confining 249:21 253:4 295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce comparing 171:14 172:21 confirm considerable 2:4 175:25 176:4 222:10 225:4 30:6 86:21 87:7,13 18:1 commercial comparison 248:10 303:11 87:19 274:20 consideration 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 considerations 241:1 185:8 99:5 100:7 104:9 236:23 242:16 considered 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 236:23 242:16 conflict 4:19 33:6,18 43:6 107:3 108:17 109:5 328:2 concludes 120:4 238:4 242:22 302:18,19 336:5 181:6 240:4
230:14 295:6 commenting compared concentrations 150:4 191:18 183:14 193:2 247:6 comments 291:14 319:20 concern 282:10 243:24 244:20 comments 320:20 322:6 119:16,19 157:5 confining 249:21 253:4 295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce comparing 171:14 172:21 confirm considerable 2:4 175:25 176:4 222:10 225:4 30:6 86:21 87:7,13 18:1 commercial comparison 248:10 303:11 87:19 274:20 consideration 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 committed comparisons 185:8 99:5 100:7 104:9 confirming 123:5,17 committee compensation 113:2 140:23,24 conflict 4:19 33:6,18 43:6 67:18 108:20,21,22 competitive 174:22 302:21 335:18,23 conflict 107:3 108:17 109:5 328:2 concludes 117:19 146:3 109:10 73:24 74:15 342:10 346:17
commenting 176:11 216:1 255:24 confident 194:3 224:2 247:6 291:14 319:20 320:20 322:6 119:16,19 157:5 282:10 243:24 244:20 comments 320:20 322:6 119:16,19 157:5 confining 249:21 253:4 295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce comparing 171:14 172:21 confirm considerable 2:4 175:25 176:4 222:10 225:4 30:6 86:21 87:7,13 18:1 commercial comparison 248:10 303:11 87:19 274:20 consideration 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 considerations 241:1 185:8 99:5 100:7 104:9 239:10 274:10,16 considerations 241:1 185:8 99:5 100:7 104:9 236:23 242:16 conflict 67:18 108:20,21,22 61:1,6,11,21,25,25 174:22 302:21 335:18,23 60:21 64:4 96:16 107:3 108:17 109:5 328:2 concludes 120:4 238:4 242:22 302:18,19 336:5 181:6 240:4
247:6 291:14 319:20 concern 119:16,19 157:5 282:10 243:24 244:20 295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce comparing 171:14 172:21 confirm 30:6 86:21 87:7,13 18:1 commercial comparison 248:10 303:11 87:19 274:20 consideration 289:8 187:22 306:6 333:5 concluded 239:10 274:10,16 considerations 241:1 185:8 99:5 100:7 104:9 239:10 274:10,16 considerations 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 236:23 242:16 considered 67:18 108:23 109:3,7 competitive 174:22 302:21 335:18,23 60:21 64:4 96:16 107:3 108:17 109:5 328:2 concludes 120:4 238:4 242:22 302:18,19 336:5 181:6 240:4 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
comments 320:20 322:6 119:16,19 157:5 confining 249:21 253:4 295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce comparing 171:14 172:21 confirm considerable 2:4 175:25 176:4 222:10 225:4 30:6 86:21 87:7,13 18:1 commercial comparison 248:10 303:11 87:19 274:20 consideration 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 considerations 241:1 185:8 99:5 100:7 104:9 239:10 274:10,16 considerations 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 236:23 242:16 conflict 4:19 33:6,18 43:6 60:21 64:4 96:16 328:2 concludes 335:18,23 60:21 64:4 96:16 109:10 73:24 74:15 342:10 346:17 302:18,19 336:5 181:6 240:4 243:12 267:22 268:18 286:6 268:18 286:6
295:25 296:3 337:9 conclude 310:2 313:14 275:2,7 commerce 2:4 175:25 176:4 222:10 225:4 30:6 86:21 87:7,13 18:1 commercial 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 committed 185:8 compensation 13:2 140:23,24 239:10 274:10,16 consideration 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 236:23 242:16 considered 108:23 109:3,7 competitive 328:2 174:22 302:21 335:18,23 60:21 64:4 96:16 109:10 73:24 74:15 342:10 346:17 346:17 confounder 243:12 267:22 common 342:11 342:11 260:16 268:18 286:6
commerce comparing 171:14 172:21 confirm 30:6 86:21 87:7,13 considerable 2:4 175:25 176:4 222:10 225:4 30:6 86:21 87:7,13 18:1 commercial comparison 248:10 303:11 87:19 274:20 consideration 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 committed 185:8 99:5 100:7 104:9 confirming 123:5,17 committee 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 236:23 242:16 considerations 108:23 109:3,7 competitive 174:22 302:21 335:18,23 60:21 64:4 96:16 107:3 108:17 109:5 328:2 concludes 120:4 238:4 242:22 302:18,19 336:5 117:19 146:3 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
2:4 175:25 176:4 222:10 225:4 30:6 86:21 87:7,13 18:1 commercial 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 committed comparisons concluded 239:10 274:10,16 considerations 241:1 185:8 99:5 100:7 104:9 confirming 123:5,17 committee 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 conflict 4:19 33:6,18 43:6 committees 328:2 concludes 335:18,23 60:21 64:4 96:16 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
commercial comparison 248:10 303:11 87:19 274:20 consideration 289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 committed comparisons 185:8 239:10 274:10,16 considerations 241:1 185:8 99:5 100:7 104:9 confirming 123:5,17 committee 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 conflict 4:19 33:6,18 43:6 108:23 109:3,7 competitive 328:2 concludes conflicts 117:19 146:3 107:3 108:17 109:5 328:2 concludes 302:18,19 336:5 181:6 240:4 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
289:8 187:22 306:6 333:5 confirmed 32:23 117:1,11 committed comparisons 185:8 concluded 239:10 274:10,16 considerations committee 185:8 99:5 100:7 104:9 confirming 123:5,17 committee 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 conflict 4:19 33:6,18 43:6 108:23 109:3,7 competitive 328:2 concludes conflicts 117:19 146:3 107:3 108:17 109:5 compiled 73:24 74:15 342:10 346:17 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
committed comparisons concluded 239:10 274:10,16 considerations 241:1 185:8 99:5 100:7 104:9 123:5,17 committee compensation 113:2 140:23,24 236:23 242:16 considered 67:18 108:20,21,22 108:23 109:3,7 61:1,6,11,21,25,25 142:8 144:23 conflict 4:19 33:6,18 43:6 committees 328:2 concludes conflicts 117:19 146:3 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
241:1 185:8 99:5 100:7 104:9 confirming 123:5,17 committee 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 conflict 4:19 33:6,18 43:6 108:23 109:3,7 competitive 328:2 concludes conflicts 117:19 146:3 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
committee compensation 113:2 140:23,24 236:23 242:16 considered 67:18 108:20,21,22 61:1,6,11,21,25,25 142:8 144:23 conflict 4:19 33:6,18 43:6 108:23 109:3,7 competitive 328:2 concludes conflicts 117:19 146:3 107:3 108:17 109:5 compiled 120:4 238:4 242:22 302:18,19 336:5 181:6 240:4 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
67:18 108:20,21,22 108:23 109:3,7 61:1,6,11,21,25,25 competitive 142:8 144:23 174:22 302:21 174:22 302:21 174:22 302:21 175:19 146:3 335:18,23 175:19 146:3 175:19
108:23 109:3,7 competitive 174:22 302:21 335:18,23 60:21 64:4 96:16 committees 328:2 concludes 117:19 146:3 107:3 108:17 109:5 compiled 120:4 238:4 242:22 302:18,19 336:5 181:6 240:4 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
committees 328:2 concludes conflicts 117:19 146:3 107:3 108:17 109:5 compiled 120:4 238:4 242:22 302:18,19 336:5 181:6 240:4 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
107:3 108:17 109:5 compiled 120:4 238:4 242:22 302:18,19 336:5 181:6 240:4 109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
109:10 73:24 74:15 342:10 346:17 confounder 243:12 267:22 common 342:11 concluding 260:16 268:18 286:6
common 342:11 concluding 260:16 268:18 286:6
132.22.23 105.18 complete 91.16.92.16.252.9 confoundame 220.10.244.11
152.22,25 175.10 Complete 61.10 62.10 255.6 Confounders 550.16 544:11
220:20,20 231:15 31:12 54:22 55:21 conclusion 261:11,25 considering
260:12 333:1,19 63:6 79:8 151:14 81:19 82:11 83:3 confounding 95:24
commonly 347:4 116:24 120:3,13 116:19 117:23 consistency
4:21 277:23 completed 121:4,10 140:17 119:18 126:24 141:23 143:5 158:1
communicate 104:19 172:6 174:18,18 157:25 158:5 158:4 174:13
66:25 completely 224:22 259:18 159:6 179:11,13 177:5 180:17,20
communicated 145:7 conclusions 179:22,24 260:3 180:25 181:12,16
57:18 66:22 67:8 completing 82:13 112:24 117:3 261:2,5,8,9,9,19 181:18,25 202:14
67:15,20 20:19 141:18,19 142:19 262:6 265:16 245:9 304:5 305:1
communication complex 143:1 164:20 282:6 284:1 consistent
67:24 68:2,11 69:2 91:7,8 223:7 confused 101:7 120:6 140:12

				Page 359
142 17 174 0	270 10 202 22	J . I	147 12 17 140 0	214 10 22 216 7
143:17 174:8	270:10 302:22	conversation	147:12,17 148:8	314:18,22 316:7
180:22 192:12,14	303:16	20:6 23:3,25	149:15 154:9,10	316:25 319:24
192:22 193:5	contend	309:12	154:24 156:20	321:24 322:9,10
235:12 245:3	276:14	convincing	157:6,10 158:10	323:1,5,16 324:4
306:11,15	contents	101:9 247:9	158:16 160:21	324:25 325:20
consistently	211:20	cook	161:21 162:24	328:6,12 330:1,6
128:6 129:24	context	138:10	163:4,19 164:5	331:9,18 332:18
245:10	75:14 247:20	copies	166:2,17,19 168:6	332:19 333:6,20
constitute	continue	136:10 152:22	174:5,10,24	333:21,23 334:3
349:10	78:2 91:15 101:21	308:9	175:19 176:17	336:3,12,15,22
consultant	156:22 191:20	copy	179:14,25 181:4	338:5 339:10,18
60:4,15	continued	12:14 16:5 55:11	181:13 183:5,8	339:22 340:2,9
consulting	3:1 5:1 6:1 7:1	136:1,7,13,15	184:1 186:17	342:7 345:8 346:5
60:12 61:5 62:16	24:11 156:3 313:2	152:4 186:1	187:23 188:8	346:11 347:4
63:1 296:4	continuous	199:24 202:4	189:5,7,23 190:2	corrected
consumer	255:7	217:25 292:18	190:3,11,14 191:3	187:4
29:21,23 223:6	contract	293:13,13,22,24	192:5,13 193:3,14	corrections
consumergrade	203:20	300:10	196:1 198:23	347:6
247:14	contribute	copyrighted	199:5,8,16 200:23	correctly
contact	111:13 117:21	151:20	200:25 202:11	101:19 118:2
19:16 21:15 216:8	144:12 145:11	cordial	203:10,16 204:9	141:15,16 155:2,9
contacted	148:16 289:10	89:19	206:25 207:14	155:15,19 173:1,2
19:6 23:17 25:3	331:8	cordstromal	208:12 210:7	230:19 235:17
44:24 45:9	contributed	131:9,11	211:1 213:19,25	241:22 242:5,20
contacts	146:4	cornstarch	216:9 217:2,16	247:19 248:16,18
19:25	contributes	224:2,9,16 225:20	219:22,25 221:12	267:9 298:18
contain	315:4,7	225:21 226:1,7	221:23 222:21	319:13 320:6
30:9 188:9 223:25	contributing	328:24,25 329:4,5	225:5 227:9 228:5	321:9
224:12 270:7	331:14 344:12,24	correct	232:2 237:24	correlation
contained	control	14:15,17,24 18:2	240:19 242:24	315:19
26:12 33:14 240:9	79:1 109:22 176:22	20:8 25:5 31:8	245:8 250:7	cosmetic
244:1 267:21	260:25 262:10	32:6 33:4 35:16	256:14 257:22	6:21 65:10 217:16
276:19,23 277:1	320:4,11,20,24	39:16 41:2 48:23	258:23 260:7,13	218:14 255:25
280:10 288:13	337:16,23,25	49:23 54:3 55:15	260:22 261:6,20	284:7,16
289:6,23 290:21	338:8,15	55:25 57:9 65:1,2	262:1 263:19	coughlin
291:24 327:17	controlled	66:7 69:5 84:21	264:11,17,18	3:8
331:2	261:10 262:6 264:4	91:7 96:8,10 98:2	265:19,24 267:12	coughlinduffy
containing	264:6,16 284:3	100:18,20 103:14	272:13 274:23	3:10
270:4 291:17,20	controls	104:6,11,21	277:21 278:5,17	council
contains	119:20 160:18,23	105:25 109:12	281:1,25 287:4	3:12 8:23
224:9 269:6 284:8	161:8 162:12	110:3 112:22	288:6 291:15	counsel
286:14 288:18	175:15 177:1	119:16 126:25	292:4,5,16 295:4	8:8 9:9,24 11:20
contaminant	237:13 248:7	127:3 129:17	295:19 306:25	13:17 14:3 15:11
276:4,7	337:2,4,7,18	130:12,15,18,21	307:2,17 309:21	17:11 27:20 36:17
contaminated	338:9	130:24 137:8,25	309:25 310:4,11	39:14,16,25 40:4
270:18 271:5	convened	138:2,4 142:8,20	311:2,7,21 312:16	40:9,15 49:10,13
contamination	248:20	144:4,17 145:20	313:16,25 314:11	50:7,15,25 51:19
	<u> </u>			<u> </u>

				Page 360
54.0 56.12 17 21	137:25 138:4,14	336:9	195:17 215:9	decades
54:9 56:12,17,21				
58:20,23 59:2,14	182:18,23 183:3,8	current	222:24 233:6	52:11,13 166:14
65:21 66:24 67:1	183:18 184:7,11	141:10	235:11,19 242:15	311:6
67:2,7,10 68:12	184:13,18 190:5	currently	244:7,9 255:23	december
69:22,25 72:5	191:4,5 192:4	101:21 109:19	256:5 264:2 273:9	17:1 26:24 64:7
73:25 74:16,17,24	219:25	curriculum	273:14 275:10,12	decide
75:13,15 81:20	cramers	5:10 13:18 54:23	330:16	77:8 109:3 195:23
89:9 91:2 102:14	183:12	55:19 56:2	database	decision
103:13 152:22	creasman	curves	134:13	85:11 292:22
155:4 156:10	32:4 35:11	310:8	date	decisionmaking
185:6,12 186:5,17	created	cut	8:3 15:15 55:19,24	7:6 292:25 297:3
186:23 187:11	40:3 273:4,7	18:10 28:18 238:2	64:16,20,25 108:4	297:19 298:12
217:18,20 229:21	301:20	cutsinger	112:11 113:15	299:12
229:25 271:20,24	creating	27:16	151:18 161:5,12	declared
272:10 275:13	257:7	cutting	219:19 315:15	248:13 336:5,6
295:17,18 308:6	credentials	296:11	346:2 347:10	declaring
341:12,20 343:8	302:10	cv	dated	125:9
345:3,14 349:13	credibility	14:3 54:23 55:16	4:12 5:21 7:7 17:18	decreases
349:16	82:24 200:8	55:17	18:5 37:5 48:21	311:21
count	criteria	cycle	51:14 152:15	deemed
134:14 137:20,21	82:10 83:7 193:10	189:1	day	343:17
139:10,11	304:4,12,20		24:20 206:3,7	defecation
counted	critical	D	215:23 223:21	209:25
138:21	253:12	d	259:18 327:10,10	defective
county	critically	1:12 5:10,15,22	327:10 328:5,5	165:10
349:2	133:22 135:4 342:2	6:12 8:1 347:2	339:18 344:22	defects
couple	criticism	348:3	349:19	166:20
49:15 51:9,10	114:13,16	daily	days	defendant
202:7 248:24	criticisms	191:10 192:24	93:11	2:13 3:2,12,18
258:18 292:11	114:10	215:17	dbr	308:6 341:20
293:17 311:12	crocidolite	damage	2:22	345:15
course	41:18	259:5	dc	defendants
15:9 42:7 50:18	cross	daniel	3:14	1:16 8:18,20 9:10
82:18 98:4 226:15	79:23	1:12 4:10,16,18	deal	28:23 345:4
314:25	crossexamination	5:10,15 6:19 8:6	11:1	defense
court	308:6 341:20 343:8	9:6,13 346:17	dealing	28:4,6 66:16
1:1 8:9 63:23 152:7	crow	347:2 348:3	118:21 214:25	341:12
298:22 299:1	2:3	data	345:7	defer
300:11 349:3	crowleys	76:24 101:7 105:21	deals	193:22 217:8
courteous	287:23	114:4,17 134:8	217:15 218:14	290:15
89:10	crr	139:20 143:16	272:19	define
cover	1:21 349:23	145:12 148:21	death	21:2 25:17 28:12
302:12	crystalline	149:5 157:15	314:6	41:15 45:11,12
covered	277:15,15,16,16	160:22 162:10	debra	194:10 223:2
147:12 319:12	culture	163:15 164:19	6:22	defined
cramer	236:2 250:1 337:14	165:11 166:1,14	decade	223:20 318:4
6:19 77:2,14,15	cultured	183:15 193:3	248:20	definitely
			<u> </u>	

				Page 361
248:21	deposited	14:13 20:4 22:22	338:1,17,23 339:8	20:6 34:25 35:4,5
definition	334:19	80:20 228:16	determined	59:16 71:24 72:24
				75:18 103:6 104:7
129:14 178:22	deposition	233:20 235:15	60:24 139:6	
223:18 260:8	1:11 4:10 8:5 9:15	describes	determining	139:9 146:4
314:14	10:23 11:3,3,22	79:16	149:20	156:14,24 165:2
definitions	13:24 14:9,14,21	describing	develop	166:22 176:22
126:16	15:20,25 16:5	231:8,19 252:22	25:7 153:18 197:6	206:3 207:6 209:3
degree	26:10,17 29:2,6	269:3	258:10,12,21	229:14 265:1
11:23 13:4 15:10	30:2,6,9 31:1 32:8	description	311:11 314:10,17	275:6 276:2
180:2 186:14,15	32:25 33:5,24	4:9 5:2 6:2 7:2	321:13,17,23	282:10 292:10
258:5	34:1 37:24 40:20	descriptive	322:12 323:9	301:20 334:9
deletion	44:22 53:25 54:11	269:9,16	324:19,20 333:19	337:20
5:12	55:11 58:20 59:3	design	developed	die
demonstrate	59:7,11,23 63:4,9	82:24 165:10	225:17 323:16,22	134:6
101:9 120:6 181:2	63:16,24 64:4,13	166:20 247:11	324:10	died
181:12,15,18,24	64:14,15,22 65:3	338:21,23 342:4	developing	90:25 129:5
199:6	68:15 69:4,7,12	designated	91:16 97:24 128:7	diego
demonstrated	69:17 70:5,22	127:7	142:10 143:19	2:10
190:23	71:7,10,13,16,23	designation	174:19 241:25	differ
demonstrates	72:20 76:8 99:15	126:15	320:19 321:6	285:20 286:10
198:21 200:16	102:2 110:22	designed	332:20 345:20	difference
337:21	113:12 115:14,21	118:19 144:10	development	72:17 79:13 176:14
demonstration	152:5,11,13,24	145:12 238:9	222:14,20 238:6	178:15,19 187:1
297:5 298:16 299:6	159:18 173:20	332:1,7,14	241:19 242:24	286:12,13 287:7
299:21	191:6 237:9	destroyed	256:22 257:1,22	324:23
deodorizing	238:11 239:3	306:21	259:8	differences
223:17	240:12 255:13	detail	develops	269:3
department	271:12,16,16	24:22 180:16	52:12 91:11,20	different
5:21 19:24 61:9,21	272:11,25 273:2,3	245:13	device	40:24 41:16,19
′	273:15 274:12,12	details	79:5	42:10 43:22 44:1
62:11,20,21 63:2	292:21 300:5,12	15:11 23:7 111:7		
64:10 96:6	· · · · · · · · · · · · · · · · · · ·		dextran	46:12,22 50:23
departments	303:4 346:17,20	188:3 239:22	202:19,25 203:3,5	61:16 78:14
62:8	depositions	detect	diagnose	123:22 124:18
dependent	9:18 28:15 63:15	170:6 171:17 172:3	94:12,19	131:22 132:10,12
189:9,16,24 270:3	63:19,22 71:24	172:5,15,19	diagnosed	132:14,17 153:15
291:19	72:6	339:21	309:20 312:23	153:16,18 172:13
depending	deposits	detected	324:11	180:18,18,21,21
119:10 153:19	208:18	311:20	diagnoses	181:3,9,12,19,25
188:25 193:8	deps	detection	281:15	183:25 188:10
291:16 309:24	1:25	332:10	diagnosis	191:10 194:15
depends	depth	determination	282:3	195:25 196:1,22
62:8 118:18 198:18	105:7 108:8	148:6,10 225:1	diaphragm	196:23 197:10,11
311:8	derive	247:22 270:17,21	214:17	197:12 204:1,8
deponent	314:19	270:25	diaphragms	206:7,23 211:17
347:1	describe	determine	170:2 214:14	211:18,18 212:3,3
deposed	46:23 81:19	189:5 190:2 228:2	215:15,22	212:17,21 216:23
27:15	described	271:4 278:10	didnt	220:13 257:16

				Page 362
262:20 268:24	264:10 280:15	distracting	74:23 75:5,14,14	186:16 188:4
278:9 284:8	304:5 305:14	10:20,25	74.23 73.3,14,14	189:3 191:23
309:23 338:24	discusses	distribution	76:13 243:8,17	194:14 195:22
differently	218:17	62:7,12,17	271:19 272:9,12	197:5,17 204:4,10
215:25 338:2	discussing	district	277:2	204:12 206:10
differing	306:3	1:1,2	doesnt	207:4 210:18
115:7,9	discussion	divided	61:1,3,4 64:20,25	213:4 215:22
differs	37:17,19 42:21	62:5	80:1,2 109:25	218:1 219:10
285:1 286:1	81:8 95:23 97:22	division	117:2 126:2	220:25 221:16
difficult	103:18 144:12	255:5	135:12 186:10	222:7 224:1
13:6,14 281:22	145:8,20 146:3	dna	196:23 212:7	225:15,21 228:13
difficulties	239:2,24 240:2	99:7,9 100:9,10,13	219:3 243:11	230:1 233:8,12
118:7,11 281:11,16	241:7,11,14 242:2	256:16	244:8 268:8,9	235:7 238:8
282:3	242:4 244:25	doctor	296:9 311:14	239:15 241:23
digging	discussions	14:5 36:12 43:12	327:2 329:25	245:13 246:9
24:21	57:25 68:24	65:18 115:20	340:4	256:2 257:18
diligent	disease	116:6 121:9	doing	265:24 266:1,10
57:1	79:4 80:7,12 81:2	124:13 136:7	17:12 18:20 81:23	270:24 273:20
dioxide	90:18 91:7,8	140:2 147:17	96:17 163:8	274:25 276:25
37:5	109:22 134:3,19	150:21,25 151:23	166:11 181:20	279:6,10,20
direct	135:10 157:10	152:3 153:4	186:7 244:19	284:23 286:21,24
99:7,9 100:9	194:1 222:1	183:23 184:2,4,14	253:7 318:8	286:25 287:25
directly	242:25 243:3,12	186:7,20 187:14	dont	291:8 293:12
33:18 67:4 214:17	243:15 244:5	202:17 206:12	9:25 10:1 13:9,13	295:8 296:13,19
215:11 216:2	260:7 263:22,23	218:13 227:1	13:16 14:3,5,11	302:8 305:10
disagree	309:15	230:8 237:18	14:12 17:5,25	306:19,25 307:12
120:13,20 210:3,4	diseases	238:2,14 239:15	23:7 28:11 32:22	309:8 310:10
303:25 304:2	221:22	239:17,18 254:8	35:2 36:14 42:18	312:10 315:18
disclosed	dish	294:1 303:8 308:8	44:9 46:13 49:8	316:21,21 317:5
253:15	339:25	341:22 345:1,17	55:20 63:21 65:20	318:13 322:25
disclosure	dismiss	346:15	65:24 66:5,13,15	325:8 326:5,9,22
64:2	112:15	doctors	69:15 74:13 78:10	327:19 328:23
disclosures	dispute	107:6 153:1 207:2	82:22 85:11 88:11	334:2,4,5,21
335:19	184:16,21 185:19	document	88:20 89:21 93:21	337:15 338:14,14
discounting	186:12 187:5	11:10 12:1 15:14	94:7,11,22,23	338:20 341:7,14
164:14	209:9 273:21	36:17 39:13 50:19	104:1 105:5 108:3	342:16
discuss	dissolves	51:24 54:6 119:22	109:18 112:23	dose
77:7 85:13 86:17	329:2	297:16	115:25 116:6	120:23,24 121:6,7
101:1 103:9 143:8	distinction	documented	119:12 122:21,22	121:11 159:12,15
143:24 144:2	22:3	329:5	125:12 127:2	159:16 189:13,16
190:16 201:17	distinguish	documents	129:14 143:24	189:24 190:24
216:17 234:4,8	281:22 325:16	11:17,21 13:11,11	144:11 145:10	191:19,23 192:1,4
discussed	distinguishing	13:17,23 14:6,8	148:14 152:4	192:8,12 193:9
34:4 86:13 102:17	281:12	14:12,20 15:12,13	154:15 156:5,22	279:4,6 292:6
102:22 162:16	distort	15:19,25 37:18	161:1 163:21	305:18 306:3,4,15
167:24 190:5	157:8,17 158:7,11	73:12,16,20,23	167:6 181:23	306:19,20,24
195:1 230:4	261:2	74:2,5,11,12,18	184:24 185:13	doseresponse
		,-,,- -,-		T

				rage 303
190:20	draft	147:12 153:22	161:4	150:18 151:12
doses	292:17,22 294:8	161:5 183:22	either	153:8,24 154:5,6
245:13 251:9,21	295:2 296:5,14,21	190:6 240:22	11:19 36:23 63:22	195:18
doubt	drawing	243:8,18 246:14	74:24 76:13 98:21	endometrium
184:15,21 185:19	141:17	266:7 272:16	98:24 109:10	212:8
186:12 187:5	drawn	283:23 307:8	125:9 131:24	england
	142:18	309:4 311:12	217:18 243:18	5:16 102:8
douching 48:9	drinker	316:4 328:24		
		345:7	275:8 286:3	enhance
downloaded	2:19		307:15	29:14
39:19	drinkers	early	ejaculation	enters
downward	260:12,19,20	24:4 58:9 83:12	334:1	229:2,7
203:23 204:1	drinking	250:23 318:9	electronic	entire
dr	260:21,22	earn	293:13	198:6 322:24
4:13 8:6 9:14 12:6	drive	61:22	elevated	entitled
12:18 13:4,14	2:20 3:19	easier	206:1,20 221:7	15:4 101:23 304:11
15:7 19:8,9,10,14	drug	229:25	242:14	entity
19:17 20:1,7,14	113:23	easily	elicit	113:19 291:9
20:21 21:9,12,16	due	40:8,11,14 214:8	246:3	entry
21:19 22:5,8,11	260:21	easy	elicited	18:10
22:14 23:3,4,5,13	duffy	21:4 173:17 249:23	338:24	environmental
23:17 32:4 35:1	3:8	265:2,4	elicits	47:9 101:12 153:7
39:18 42:14,24	duke	eberl	220:6	eoc
44:24 45:10 51:14	19:10,14,21 20:15	246:1	eliminated	143:19 190:25
55:12 57:16 58:1	20:22 21:7	edge	175:3	321:2
58:15,24 65:15,18	duly	296:11	ellis	epi
66:6,9 67:25 68:2	9:7 349:7	edited	2:14 3:19	5:5 47:18 48:14
68:22 69:1,2,20	duration	16:19	elongated	epidemiol
76:12 81:8 87:6	156:5	editorializing	269:7	49:2
87:12 88:2,9	dust	122:4	emerging	epidemiologic
89:20 90:17	248:7	edmonson	5:3 35:22 36:8	101:8 132:19
100:25 102:14	dusted	26:23 28:3 63:12	emphasizes	139:20 143:15
103:13 113:17	214:14	63:17,24 64:11	297:3 298:12	154:18 195:16
123:25 152:20	dusting	effect	employ	233:6,24 235:11
156:19 163:22	208:16	61:6 132:9 162:11	243:24	261:3
164:18 177:25	dwarfed	163:18 164:10,15	employed	epidemiological
184:6 185:25	312:9	249:17,19 256:21	71:5 224:21 301:22	141:11 143:9
186:14 221:9	dykema	257:21 297:6	349:14,16	235:19
230:24 235:25	3:3,6	298:17 299:7,22	employee	epidemiologist
253:1,5,14,22,25		effects	70:12 349:16	129:11,16 164:18
254:22,23 255:2,9	E	43:11,17,25 44:1	encountered	epidemiologists
257:5 260:2	e	45:20	255:25 284:17,20	128:16
271:20 275:5	2:1,1 3:1,1,4,5 8:1	effort	endocrinology	epidemiology
287:23 315:14	8:1 318:20 348:1	273:13 275:22	334:5	4:20 5:3 6:15 35:23
334:22,24 335:12	349:1,1	276:3,11,13	endometrial	36:9 47:3,24 48:9
336:9 337:1,7	earlier	egli	198:4	108:5 116:15
338:16 340:14	29:3 35:22 53:22	202:2,11,13 203:13	endometrioid	117:3,6 120:22
343:10 346:17	57:1 144:19	eight	133:8,10 150:10,13	121:10 127:23
J 13.10 JTU.1/		Cignt 	133.0,10 130.10,13	121.10 127.23

				Page 364
142.12.222.11	establish	111.02 114.17	15.14.24.14.10	22,17,24,25,25
143:13 223:11		111:23 114:17	15:14 34:14,18	33:17,24,25,25
290:2,9,19 291:3	141:12 174:22	120:24 121:6,11	93:9 157:17 164:9	36:3,4,6,7,9,10
323:6 331:21	established	125:3 126:16	166:21 193:18,25	37:7,9,11,19,24
epithelial	86:25 113:3 154:23	131:10 132:19	199:19 228:17	39:2,4,5 40:8,13
7:4 22:23 131:9,17	155:14 244:4,13	141:11 142:11	260:9 266:19	40:21 47:18,20
131:23 132:10,12	287:2	154:12 200:7	267:7 311:10	48:14 49:17,18
132:16 143:19	establishing	210:18 211:10,11	318:6 336:7	51:6,7 53:6,24
150:9,16 166:16	245:4	221:2 226:19	337:14	54:12,22,25 55:5
182:4 190:25	estimate	227:9,22 228:10	examples	55:5,6,8,10,11,11
194:12 195:20,25	57:5 59:4	228:19,23 230:15	263:18	55:13 56:23 57:7
196:22 197:12	et	230:21 236:23	exceed	57:24 59:22 63:4
220:13,19 222:14	5:3,13 6:4,6,9,16	244:12 257:4	62:2	63:9 64:3,20 70:7
222:24 224:17	6:19,22 7:5,10	259:10,17 267:16	excerpt	71:22 72:19,20,21
235:14 237:5,23	322:22	270:22 273:25	40:23	73:1,7,8 76:8
279:14 281:18	ethical	274:1 275:17	exclude	99:15,18 102:2,3
309:22 310:2	335:14	289:22 291:12	145:19 149:3	110:22,23 113:12
337:22 338:13	etiology	301:16 302:22	excluded	113:13 115:14,21
epithelium	116:15 117:3,6	304:11,19 306:19	146:2	124:13,14,24
100:22 153:17	120:22 242:10	313:10 335:11	excludes	136:1,3,4,9,13,21
212:3,5 216:24	263:10	evidencebased	148:3	137:10 152:5,12
220:18 250:4	european	4:24 35:14 82:9	excluding	152:13,16,22,24
epstein	48:22 152:1,14	83:25 84:2	85:4 145:7 215:9	153:2 159:18,20
5:22 113:17	evade	evolve	excuse	160:12 171:2
equal	314:10,13	313:24	20:11 25:12 34:19	173:21 190:8,9
132:9	evaded	exact	104:13 142:22	191:6 199:21,23
equally	314:15	134:12 139:11	145:23 150:21	214:1 230:5,6
131:3,17 278:3	evaluate	338:18	169:10 177:15	237:7,8 238:11,11
equivalent	22:14 70:17 109:11	exactly	186:4 201:11	238:12 239:3
192:24	156:22 160:7	17:5 63:21 65:20	240:13 254:10	240:12 246:17,18
errata	282:10,23 290:25	85:23 228:14	258:13 313:19	246:21 271:15,16
347:6	306:20	238:9 253:19	executed	272:10,11 273:1,2
error	evaluated	310:8,18 314:16	145:12 238:9 332:1	277:20 292:20,21
164:21,25	249:22 290:7	335:4 340:11	332:7,14	292:24 297:18
errors	evaluating	exam	exercise	300:6,7,12 303:4
99:6 100:8,13	82:23 114:3,17	208:9,10	139:5	304:7
150:3 179:19	253:4	examination	exhibit	exhibits
es	evaluation	9:9 228:9 345:3,14	4:10,11,13,15,15	4:8 5:1 6:1 7:1 39:1
349:5,7,12	37:3 83:2 157:9	examinations	4:17,19,19,20,23	39:2 70:5 71:9,12
eslick	159:7	4:1	5:3,4,5,6,7,8,10	71:16,23 72:5
6:12	evans	examine	5:10,11,14,17,21	271:14 272:25
especially	4:24 35:15	134:17 135:8 180:9	5:23 6:3,5,7,10,13	273:3,9,16 274:11
221:6 306:20	events	180:13 318:17	6:17,20 7:3,6,8	existed
esq	20:24 232:24	examined	11:4,5 16:5,8	281:12
2:5,11,17,21 3:5,10	everybody	9:8 208:9,22 347:3	17:19 26:3,4,9,10	existing
3:15,21	346:14	examining	26:11 30:2,3,6,9	107:15 319:1
essentially	evidence	208:5,11,13	31:16 32:12,15,25	exists
162:7,11	80:19 88:12 100:23	example	32:25 33:2,5,9,14	177:13 180:17,20
	1	1	<u> </u>	<u> </u>

				Page 365
		l	140.21.102.10	l -
exit	270:24 271:1,3	333:23	148:21 193:10	79:8
209:25	273:20	exposures	222:13,20 243:7	fall
exocervix	experts	43:19 290:20 291:4	243:13,15 244:5	150:15
212:5	65:13 68:18 193:22	express	244:14 263:24,25	fallopian
expect	217:8 248:12	285:13	265:10,16 285:22	5:18 87:3 97:20
154:17 188:7 211:5	271:2 287:4	expressing	287:7 289:7 292:6	111:10 198:5,6
219:15 245:7	explain	288:3,8	292:10 333:9	199:15 200:22
283:6 316:5	37:16 149:1 153:13	extensive	344:15	204:24 207:18
317:24 323:9	158:12,19 196:7	339:3	factors	211:17 212:8
328:8	235:24 302:23	extent	61:24 78:9,10	215:6 317:3,14,18
expected	303:17	34:17 335:8	79:18 80:8,20	317:23 318:1,8,9
242:11	explaining	external	86:10,17 92:7	318:10 319:1
experience	235:13 269:10	87:24 88:17 201:5	102:17,22 103:7	320:15,17 327:18
42:15,18 76:18	explanation	208:16 213:23	103:19,25 105:1	334:1
77:11 83:10 84:21	171:22 172:9,22	externally	106:13 107:13,15	false
84:22 114:2	212:7	88:24 90:1 230:21	108:18 109:6	336:17
118:17 194:23	explanations	231:3	110:20 113:2	familiar
196:9 204:8,10	273:14	extract	117:20 143:6	9:21 13:4 15:10
215:21 231:25	explored	296:21	157:25 158:5	41:11 43:21,25
experiment	279:23	eye	163:24 256:19	77:5 98:7,9 106:3
188:15 189:4 190:2	exposed	228:2 316:16	262:6,12,17,21,21	106:6 107:15
338:9 339:3	128:8 141:25		263:6,18 264:4,5	110:25 111:6
experimental	153:17 175:4	F	264:10,16 282:7	122:15 123:2
141:10 247:15	189:10,17 225:9	f	282:12,19 283:3	124:9,20 127:10
338:21,23	225:14 283:8	3:14 5:13 349:1	284:1 304:24	130:19 135:21
experimentation	284:15 291:10	facilitate	309:18 312:13,15	144:20 173:4
188:18	324:5 326:8	37:17	321:2 342:3,17	175:9 196:4 202:3
experiments	331:22	facp	factory	205:2 237:2
86:20 87:7,13	exposing	4:25	281:9 284:17,20	246:12 252:21
335:12	278:9	fact	facts	260:2 280:2
expert	exposure	24:4 132:16 145:14	32:22 309:10	296:24 340:10,11
4:17 18:20 25:5	37:14 47:6 52:5,11	156:21 158:12,20	faculty	family
28:4 41:2,8,11,13	52:14 79:1 98:4,8	192:3 206:17	21:8 62:2,3,4	46:16 102:23
41:15,16,21,24	100:13 101:11	218:17,25 229:14	fail	103:23
42:2,5,8,9,23 43:7	111:18,25 121:23	251:21 253:4	219:10	far
43:10 44:4,15,25	153:8 156:1 157:9	274:2 320:14	failed	113:22 198:14
45:8,12,13,13,23	157:19 158:9	339:24	101:8	209:18 239:22
46:7,11,14,17,19	161:3 166:12	factor	fair	269:10 308:9
60:5,14,18,20	169:22 191:21	78:12,14,21 79:13	10:6,7 21:1 28:9	fare
61:4 65:12 66:6	209:17,20 210:5	79:15,17,23,24,25	33:19,21 73:4	334:12
66:14,16,18 72:10	217:6 232:25	80:1,3,6,12,13	76:12,17 78:25	fast
194:3,10 221:1	234:1 247:17	81:2,3 96:13,14	128:10 185:22	294:3
244:19 253:1,16	255:24 256:6	96:16,16,18,20,23	186:2 189:3	fault
266:4,7,11 269:2	258:24 260:7	105:6 107:21	258:22 270:16	165:9
285:7,13	280:24 284:2,6,9	109:11,23 110:2	312:12 313:13	fax
expertise	310:19 312:25	110:13 115:5	323:1 330:2	1:24
44:14 45:14 193:14	315:19 327:8	131:24,25 133:3,4	fairly	fda
	515.17 527.0			

				rage 300
5:21 112:25,25	114:4 336:22	139:14 140:18	339:14 343:12	folks
113:15,19,22	fibrosis	153:13 192:16,17	fit	77:3 221:15
114:2,19 115:12	201:3 226:2 230:17	192:19,23 219:24	83:2	follow
116:14,17 117:14	231:5,15,23	231:15 266:24	fits	9:22 12:23,24 13:2
117:18 119:22	fibrous	282:2 298:21	84:3,4	83:14 327:7
120:4,21 121:15	5:8 70:18 229:5	findings	five	followed
121:19 122:1,7,13	267:18 268:3,14	116:15,24 117:2,3	4:14 12:13 26:20	74:2 156:1 166:8
123:10 130:20	268:22,24 269:4,6	117:7 120:23	59:4,5 63:5,25	following
225:25 226:7	269:11,16,20	164:9 177:2 193:7	178:16,23 191:15	10:17 73:13 166:13
247:5 248:1,10,13	* *	243:25 246:23	320:24	follows
248:22 294:14,16	290:10 329:22	247:5 303:13	flags	9:8
309:5	343:20	305:10 306:4,9	308:21	followup
fdas	field	336:10	flaws	165:23 168:5,8
114:10 120:13	42:6 316:16	finds	247:11	food
121:9,13 246:12	fight	125:2 213:1	fletcher	113:23
275:15,19,24	13:22 311:20	fine	254:13	foregoing
feature	figure	88:5 265:5	flip	347:3 349:4,6,10
171:9	137:9 147:25 251:7	fingers	140:6	foreign
february	file	208:6,12,15	floor	228:23 230:16
1:14 8:3 349:19	70:4	finish	2:15	328:15,16,19,20
fedak	filed	10:11,12 122:5	florham	329:7,15 338:24
5:3 35:24 36:9	161:24 162:2,16,20	185:7 258:17	2:20	forest
feel	162:25 164:3	280:7	flower	174:2 199:20
97:8 136:6 202:17	files	finished	2:15	forgotten
266:5,6 294:2	308:14	97:1 188:19 200:2	fluid	310:7
feeling	filings	200:3 239:16,18	202:15,21,21 203:6	form
44:10	160:4 163:16,23	263:21	202:13,21,21 203:0	16:14 18:12 23:1
fellow	fimbria	fired	307:14	24:16 25:11 28:10
20:15	198:6	27:5	fluidlike	30:16 33:20 38:4
fellowship	finally	firm	203:3	38:11 40:1,17
19:13	27:15 49:5 121:15	4:12	flw	41:3,22 43:1,9
felt	27.13 49.3 121.13 financial	first	1:7 348:4	
56:20 72:23 238:23	62:9	9:7 19:1 35:15,23		44:18 45:2,25
		,	focusing	46:20 50:8 51:20
female 45:20 310:9 311:25	financially 349:17	37:11,12 38:20 45:9 47:3,8,14,22	85:3	52:15 53:1,15 54:7 58:3 61:8
327:15	349:17 find	48:3,10 49:20	folder	66:8 71:17,25
		,	5:4,5,6,7,8 37:20	73:3 74:21 75:17
fewer	37:18 50:13 52:3	57:10,20 76:1	38:2,15,17,21	
169:12,21 334:17	73:7 97:7 98:12	77:4 96:17,21	47:1,13,18 48:4	75:24 76:9,22
fiber	151:5 153:22,24	99:16 101:16	48:14,19,23 49:5	78:16 80:17 81:12
268:14 285:2,3,20	169:1,18 206:22	102:20 120:1	49:15,16 53:8,11	81:20 83:22 84:10
286:2	209:3 217:20	139:4 155:6,10	54:12 88:10	85:6,16,22 86:8
fibers	229:14,25 233:8	170:13,21 171:6	folders	86:15,23 87:9,15
53:9 268:19,21	239:20 250:2	176:23 218:13	34:12 36:14 54:17	88:19 90:4 91:4
284:8 286:6,8,9	266:22 275:25	239:6 241:13	54:18 59:9 70:5	91:12,21 92:3,10
fibroblasts	276:2 283:7	242:2,4,8 252:5	127:25 144:19	92:19,25 93:7,18
329:21	286:22 306:24	267:14 282:2	183:21 280:10	94:3,21 95:3,25
fibroids	finding	301:12 315:7,8	282:15	96:3,9 100:16

				Page 367
101.14.102.25	227.10 220.12 21	227.11 229.6	110:16	202.12.14.16
101:14 102:25	227:10 228:12,21	337:11 338:6		293:12,14,16
103:15 104:12,23	231:7,17 232:1	339:1,12 340:3,18	four	294:8 297:21
105:9 106:1	234:6 235:21	341:1 342:19	59:4 319:24	308:13
107:10 108:6	236:13,14,21	343:15,22 344:9	fox	full
109:16 111:12	238:19 244:2,10	344:20 345:9,23	50:1 103:8	61:15 85:24 171:6
112:6 113:6,25	245:21 246:8	346:6	fragment	199:20 297:5
114:22 115:8	248:17 251:1,11	formation	284:24 285:1,20	298:15 299:6,21
118:9 119:2,6	251:24 252:9	111:14 226:9	286:10	fulllength
120:25 122:10,19	253:18 255:11,17	formed	fragments	254:22
123:8,18 124:4	256:1,23 257:12	23:18 24:15 68:1	285:5,14,19,25	fully
125:11,20 126:8	257:24 260:23	104:10 311:2	286:8,15 287:2	112:11 131:14
126:18 128:11,19	261:12,21 262:2,8	former	fragrance	funded
129:22 130:4,13	262:15,23 263:5	21:12 70:12	276:19,22,25	106:9 334:25
132:1 134:20	263:20 264:12	formerly	287:21 288:4,5,12	funding
135:11 139:8,18	265:20,25 266:9	29:22	289:4,22 290:3,5	110:5,7,8 302:5
139:24 140:3,8	268:17 269:18,25	forming	291:23	335:4,8,12,15
141:1,20 142:9,23	270:14,20 271:9	30:14 31:2 73:16	fragrances	336:6
144:5 145:9,24	272:3,21 273:5,22	74:5 107:12	288:19 291:20	further
146:23 147:18	274:4,19,24 276:6	forms	292:7	91:15 142:7,19
148:13,25 149:24	276:21 277:24	42:10 126:10 131:3	framed	307:19 341:17
150:6 153:10	278:13 279:11	131:17,21 236:17	186:11	342:25 344:25
154:1,25 157:11	280:18,25 282:8	278:6,9,20	framework	345:3,11,14
157:21 158:17	283:10,24 284:11	formulate	7:6 292:22,25	349:13,15
163:12,20 164:7	284:18 285:15	57:15	297:19	future
164:12,23 166:18	287:11,24 288:7	formulating	free	96:15 97:23 108:2
168:7,17 172:11	288:14 289:15	33:19 34:2 54:15	136:6 202:17 294:2	
173:12 174:25	290:16 291:7	72:23 143:3	freely	G
175:20 176:6	294:20 295:7,12	forth	328:9	g
177:7 178:11	296:7,17 297:12	29:13 178:24 182:8	frequency	8:1
179:15 180:1,23	298:24 299:8,14	298:8	5:12 133:23 135:5	gain
181:14,22 182:15	299:24 301:7	fortysecond	156:3,5	166:11 263:17
189:6,14 192:6,20	303:22 306:17	2:15	frequent	264:5,9
193:15 194:6	307:1 309:16	forward	134:19 135:10	gained
196:17,25 198:17	310:12 312:3,11	83:6	frequently	44:21
198:24 199:9,17	312:17 313:8,18	found	134:3 166:23	gamut
200:24 201:6,20	314:1,23 315:5,12	40:9,15 50:5,14	fresh	52:21
200:24 201:0,20 204:16 205:22	315:16 316:8	·		gap
204:10 203:22	317:4,16 318:2,18	51:1,4,17 117:14	59:9	18:13
		121:15 137:5,21	friend	gates
208:17 209:12,21	319:25 320:7	146:14 150:17	68:3	48:5 146:12,14
211:3,8 212:1,20	321:14 322:14,18	151:11 158:13,21	front	147:24 148:3,21
213:3,11,20	323:11,17,25	159:3,5 197:11	12:14 34:12 37:20	147:24 148:3,21 148:22 165:20
214:23 215:12	325:13,21 326:2	204:23 207:7,17	65:25 73:8 150:24	
216:3 218:20	327:23 328:21	208:21 209:10	159:22 167:10	gathered
219:17 220:1	330:14 331:1,10	234:19 275:3,9,25	183:22 184:3,7,25	24:14 155:25
221:3 222:22	331:19 332:3,8	277:11,12 289:25	186:1 217:22	gene
223:13 224:4	333:12 334:14	328:11	241:4 246:19	5:12 79:5 92:21
225:6 226:21	335:2,16,25 337:3	foundations	249:11 288:1	93:1,4,10,12,19

				Page 368
93:24 94:6 99:2	genetics	56:4	326:17	granulomas
100:22 195:5,6,8	91:15	glad	going	201:3 226:2 228:19
195:10 196:7,16	genital	88:6	9:22 10:5,20 13:1	231:4,15,23
220:10 230:25	6:5,8 24:18 45:20	glass	33:15 34:3,23	granulosa
233:2 234:17	77:4 87:24 88:17	337:8,12,13,16	77:6 88:3 90:11	250:4
235:5 252:22	115:4 116:18	338:10,12,15	112:13 120:16	graph
255:10 256:25	126:5,6,10 151:21	glenn	132:23 135:25	264:20
257:8,8 259:11	161:14,15,22	67:3,3	137:18 140:7	
310:14,14,19,22		· ·	151:13 152:6,19	great 88:4
315:10 321:12	168:5,15 201:5 206:25 213:9,17	glove 207:24	151.13 152.0,19	
339:13,17,22,24	213:23 216:17	gloved		greater
340:15 345:18,21		208:15	158:4,5 177:16,19	148:11,15 165:3
· ·	231:14 291:13		185:2 187:19	209:18 210:5,11
general	genitals	gloves	192:7 197:1 200:4	210:13 283:16,19
46:15 91:8 114:14	160:25 161:10,19	208:23 226:1,8,13	218:2,8,9 258:15	286:6 319:24
127:24 128:1	162:5 163:17	glucoserich	259:20 278:14	320:2,2
165:13,16 191:22	genotoxicity	203:6	286:18 293:11	green
192:9 236:8	340:9	go	308:1 319:8,9,11	138:12
309:14 311:5,22	george	10:10 11:16 12:22	321:21 326:4	gregory
312:5,18 314:25	67:3	14:6,11 16:3 17:5	330:16 336:2	4:25
generally	germ	20:24 29:16 30:22	339:5,18 343:3	griffiths
77:5 84:14 105:24	131:9,11	31:14 60:18 73:7	346:18	50:1
107:6 109:6 119:5	gertig	73:9,21 77:15	golkow	gross
124:9,11,20 127:3	165:23	91:16 104:13	1:24,25	182:14 183:5
127:4 128:3,9	getting	105:5 112:4 116:8	gonzalez	grossly
140:6 144:20	107:22 283:25	116:11 117:9	48:10 332:13	227:7,22
204:2 217:15	giant	128:2 136:20,22	good	ground
218:14 243:19	228:24 230:17	137:9,18 139:9	41:5 96:20 132:5	204:14,18
285:9 296:5 311:6	ginkgo	149:14,19 153:6	178:21 193:17	group
generate	127:10	159:1 160:12	194:9 253:7,10	40:23 124:25 125:5
61:6 62:25	give	161:14 165:18	333:16	125:18,25 126:2,6
generated	28:15 34:3 63:16	171:13 173:13	google	126:12,23 324:8
62:2,5	63:24 136:11	186:23 199:18	82:2	groups
generation	137:19 147:18	233:17 239:2,24	gossett	46:12
248:5 251:23	167:10 178:21	240:2 241:7 242:6	3:3	grows
generic	209:6 247:3	246:22 269:10,13	gotten	340:17
250:5	249:10 293:19	277:18 297:16,23	326:1	growth
genes	321:15	298:7 304:23	governmental	92:14 195:3
195:2 315:13,17	given	305:18,20 307:7	113:19	guess
genetic	9:18 28:14 35:10	326:15,16,18,23	gradient	13:20 17:25 21:2
92:7,12 93:10	40:3 63:5,8 64:3	326:24 343:2	190:20	65:25 66:2 91:22
94:14,18 95:2	64:16 82:21 90:22	god	graham	197:17 279:9
102:24 103:24	95:6 148:22 262:7	339:20	47:14 182:12,17,20	285:8 314:7
232:8,21 233:15	271:19 273:1	goes	182:21	325:19,22
234:12 311:9	347:5	11:25 13:20 23:23	grant	guidance
312:1,16 315:15	gives	56:11 77:2 116:14	110:11	105:1 110:19
genetically	44:14	121:21 210:21	grants	guilt
250:10,12,16	giving	251:15 279:9	61:4 62:10 336:6	97:8
. ,	l			

				-
guy	76:15	5:19,21 7:6,7 31:18	187:15 234:10	41:7
6:12	handwritten	43:10,17,25 44:1	hes	home
gyn	37:12 38:1 48:13	46:8 47:9 49:2,12	13:10 65:16 172:14	98:13
24:1 68:17 108:21	48:15 51:9 53:13	107:8 110:6,10,10	253:6,8,11,16	honest
252:11	308:10,12 309:2,6	165:20 166:2,7	293:2,5 339:11	253:6,9
gynecologic	hang	167:1,13 168:20	heterogeneity	honestly
19:13 23:25 25:20	119:12,12	256:21 257:21	171:23 172:10,23	204:4
46:13 49:21 61:17	happen	292:12,17,22,24	172:25 180:5	hoped
67:16 83:10 84:18	259:18 311:1,1,6	293:1,4,6,17	hey	22:2
84:23 87:1 89:2	happened	294:8,11,18,19	235:6	hopefully
95:15 105:18	162:1	295:10,15,25	hhs	294:6
193:16 221:6	happening	297:9,19,20,23	48:8	hopkins
253:10 264:11	84:17 100:24	298:8,20 299:18	high	53:25 70:6,7,10,20
gynecological		300:18 301:4,14	91:2 149:20 313:4	71:10 271:12,15
19:24 84:14 90:18	happens 220:18 311:19	331:25 332:6	91:2 149:20 313:4 higher	272:10 273:1,15
104:25		336:7	197:6 251:21	274:12,15 277:14
	happy 89:12 124:11 202:9	healthy	265:22 283:7,22	274:12,13 277:14
gynecologist 42:2 46:16	293:13	176:4	291:13 345:20	hormonal
gynecologists	293:13 hard	hear	highlevel	320:16
95:11 105:14	107:8 112:23	65:17	294:7	
				hormone
gynecology	266:24 293:13	heard 127:19	highlighted	264:23 265:8,10
61:10	harkened		48:5 136:14,15	hospital
gyrus	83:11	hearing	137:2	67:1,2,7 176:9
27:25	harlow	30:11	hill	hospitalbased
H	138:2	heavily	1:18 58:13 82:10	173:4,9,24 174:3,7
h	harms	148:7	82:11 83:7,24	174:14 175:17,24
6:4 318:20	294:24	heavy	84:4 113:2 123:4	176:7,15
hadnt	harper	267:20 276:14	123:16 143:5	hospitalized
18:7 22:8 324:18	252:3,8,15 254:18	284:8 287:21	193:10 304:4,12	175:25 176:1,12
half	hat	288:4,5,12,19	304:20,24	houghton
58:10 122:12 192:9	119:12	289:5,23 290:20	hills	168:20 169:1,15,18
192:22 305:8,9	hate	290:25 291:5,13	301:19	hour
hamilton	152:9	292:7,7 330:10,18	histologic	57:2 58:10 88:3
49:24	havent	330:23 331:7,14	145:3 147:9 220:13	177:16 258:15
49:24 hand	108:7 122:23 159:5	heller	227:2	hours
	219:20 240:25	6:22 208:25 209:3	histological	16:11,16 17:8,9,11
34:25 46:15 135:25	267:16 276:11	209:10 229:10,12	150:9	17:15 18:4 56:22
139:12 152:4,19	289:21 322:22	229:14,23 230:4	histologically	59:4,5,21,22
152:21 191:23	330:19	help	228:15	108:14 206:11,20
202:4 217:18,19	head	47:22 63:1 83:2	histories	207:6,11,22 327:9
293:23 297:17	67:7 79:8 93:21	helpful	98:5	328:4
handed	204:6,14 342:22	123:23 301:16	history	hpv
36:17 50:19 51:24	342:23	helps	97:19 98:11,15,18	212:6,7,14 332:18
159:23 297:22	heads	180:12	102:23 103:23	332:21,21,23
handing	140:7 203:23 204:1	henderson	263:16,17 264:5,8	333:3,5,8,10,20
113:11 293:3	204:18	50:1	264:9 345:19	huge
handselected	health	heres	hold	108:13
	<u> </u>	<u> </u>	<u> </u>	ı

				~
 human	217:14 267:19	243:11 293:7	142:10 147:6	321:3 325:14,16
5:21 88:23 90:1	287:16 290:12,15	316:15,21 318:16	151:22 152:6,19	326:3 328:3 329:9
193:18 198:21	330:9,12 343:17	318:19 323:21	151.22 152.0,19	320.3 328.3 329.9
199:6 200:16	id	325:10 326:6	155:16,16 156:16	330:15 333:13
	12:25 16:3 17:5	330:12,24 331:7	158:4,4 161:7,12	335:3,8,20 337:12
212:18 229:2,7	34:15 57:13,13	identifying	164:24 169:15	339:5 340:11,19
236:24 247:17	· · · · · · · · · · · · · · · · · · ·	7:6 93:11 226:24	170:8,18 171:5,5	340:21 346:1,12
248:15 250:3,25 269:7 289:24	59:4 60:8 65:17	292:25 297:20	170.8,18 171.3,3	· · · · · · · · · · · · · · · · · · ·
	101:25 113:7		178:12 183:19	imagine
290:2,24 327:14	141:2 214:4	ignore 244:7 248:22	185:5 186:19	107:25 204:5 240:6
327:15	229:16 239:7,24	ill		imerys 3:2 8:25 9:2 54:5
humans	245:12 319:22		187:11 188:25 190:19 194:9	
37:4 124:3,25	323:12	36:12 37:6 38:1		73:12 74:24 75:6
125:3,6,19 126:13	idea	110:4 116:8 130:3	196:2,14 199:11	76:14 273:19
126:16 246:4	100:12 156:2	153:15 176:4,8,11	199:21 201:17	274:2 275:3,9
huncharek	188:23 229:10	182:25 184:3	209:22 210:2,10	308:6 345:15
184:23 185:21	287:1 310:10	189:19 200:15	211:10,11 212:4	immediate
187:2,18 214:2,5	identification	202:9 205:4 220:3	216:4 218:6 221:4	67:15
214:20	11:5 16:8 26:4,11	246:25 261:18	223:14 227:12	immortalized
hundreds	30:3 33:2 36:4,7	271:23 292:18	228:14,25 229:23	249:24 250:3,5,6,8
90:19	36:10 37:9 47:20	297:17 341:11	230:13 239:5,12	254:2,24 255:1
hurst	49:18 51:7 53:6	illinois	239:20,21 240:3	immune
2:9 8:16	54:25 99:18 102:3	3:20 113:17	241:1 242:3	329:1
husband	110:23 113:13	im	243:21 245:22	impact
21:12,13	124:14 136:4	13:1 15:3,23 24:19	247:8 248:1 249:8	42:12 62:12 131:20
hygiene	152:17 153:2	34:18 39:10,14	249:25 250:2	132:20 153:19
129:4	159:20 190:9	41:19,23 42:17	252:10 254:6,10	160:4 211:19
hypothesis	230:6 238:12	45:11 46:2,13	255:19 261:7	249:19 250:20,21
163:22 236:12,19	292:20 300:7	53:16 55:23 57:1	263:4,12,14 264:2	255:21 256:25
236:24 330:8	identified	57:12 59:12 61:11	264:13 265:3,5,13	impacts
hypothetical	34:9 52:1 54:14	62:21 66:25 68:1	266:22,24,24	129:1 315:11
268:8 324:15,16	56:22 74:18 75:6	68:2,17 72:1 74:8	268:7,23 269:2,15	implanting
326:7,10	78:11 79:19 80:6	76:24 78:17 83:9	270:1 271:22	340:15
hypothetically	92:8 93:22,25	89:21 98:9 100:4	272:14 273:6,15	important
268:25 269:5	107:16 137:1	101:16,21,21	274:9 279:2 280:5	14:17 109:21
hypotheticals	151:24 272:16	102:18 106:2,3	280:7 281:14	112:18 133:22
344:1	315:14 317:7,10	107:22 108:11,14	282:9 283:17,20	135:4 149:21
т	330:5 342:15	111:6 112:16	286:1,12,18,22	171:9 238:24
	344:15	113:11 115:16	287:15 288:20	309:11
iarc	identifies	116:6,12,21	289:2 290:1,7,23	importantly
5:25 36:19,22 37:1	87:23 88:16	118:10 120:16	293:13 294:3	85:1
37:3,14 40:23	identify	121:16 123:13	298:25 299:15	impossible
122:15,16 123:2,4	13:11,21 30:13	124:6,11 126:9	300:25 301:14	92:8,16 93:4,16,25
123:11,13,15,25	73:19 74:10 87:22	127:13 128:20	304:15 306:6	262:5
124:5,9,17,18	88:15 92:24 93:1	130:6,19,22,25	308:16 314:12,24	inability
125:2,8,24,24	93:9 94:6 107:20	132:2 133:14,16	316:14 317:6,17	282:18
126:2,5,16,23	169:6 179:6	134:23 135:25	317:23 319:5,8,8	inadequate
127:1,7 130:17,19	197:17 228:15	137:18 138:21	319:23 320:1	114:5 159:6
	I	l l		I

				rage 3/1
inappropriate	182:4 195:12	infect	228:11,16 229:3,8	initiative
97:6 175:14	216:21,25 217:11	212:7	230:25 231:10	168:20 332:1
incentive	251:9 330:25	infected	232:5,18 233:9,14	inn
62:7,12,17	345:25	333:3,7	234:4,11,21	1:17
incidence	increased	infection	235:15 242:25	inperson
134:8,14 328:1	97:14 112:1 128:7	216:19 243:4,6	243:3,12,15 244:4	58:11
include	133:10 141:25	263:16,16 264:5,8	246:3,6 251:8	input
12:8,11 31:1 32:23	143:18 145:16	infections	263:22,23 329:1	85:11
38:23 74:25	150:18 151:6,11	216:14,20	337:15	inserted
182:13 184:17	154:7 191:20	inflammation	influence	214:17
214:1,20 223:17	219:15,20 225:15	7:3 87:14,18,23	160:9	inside
248:6,22 338:17	227:14 230:23	88:10,13,16 101:2	influenced	327:15 328:10
included	239:10 241:24	194:2 210:24	114:7	instance
30:20 31:5 40:20	242:12 327:25	211:5,14,23,24	inform	80:2 182:12 183:3
		, , ,	145:13	institute
47:12 48:4 54:18	331:21 336:11	212:18,22 213:1,8		
63:20 64:2 72:20	increases	213:16 220:22	information	5:18 106:7,9,15
72:24 77:4 85:24	312:22 313:6 323:4	221:2,5,7 223:25	30:18 39:9 64:9	110:8,19 111:1,9
145:15 147:23	increasing	224:3,13,16,23	69:24 95:25	111:21 112:12,13
166:4 175:16	251:9	225:1,5,19,22	105:23,25 107:19	112:21 130:23
179:5,18 182:14	independent	226:2,5,5,19,25	134:14 143:3	institutes
183:4,5,7,8	270:17 282:7 292:3	227:3,9,14,22	146:5 155:25	105:21 110:6,9
184:10,11,18,21	index	228:3,7,17 230:22	166:12 183:15	336:7
184:22 185:9,20	4:1,8 5:1 6:1 7:1	231:4,15,19,20,22	224:1 248:21	institution
185:21 186:8	indicate	231:24 233:1	253:24 271:8	95:19
187:2,17,18 223:7	258:10,21 259:7	234:18 235:6,20	296:10,20,21	insufficient
282:12	334:24	235:22 236:1,6,11	300:22 301:16	141:12 174:22
including	indicated	236:12 237:4,22	336:3	intake
39:23 44:21 61:22	57:1 320:4 333:18	238:5 239:13	infrequent	95:25 96:3
80:21 90:21	indicates	241:17 242:9,23	195:21	intend
114:21 115:3	345:18	245:4,8,15,18,19	ingredients	29:19 30:10 32:18
117:22 187:1	indicating	245:20,23 249:6	290:3,5	285:13
209:4,11 247:12	32:10 117:5 155:18	252:7 257:6	ingrowth	intended
331:13 336:6,16	170:25 337:19	269:12 289:25	329:21	86:17
inclusive	342:15	307:10,10,13,15	inhalation	intent
349:10	individual	313:21 315:22,22	197:19 215:3 217:6	103:7
income	92:9,18 93:6,8,17	316:2,5,12,15,22	217:10 219:19	intention
60:11,13,14,23,24	94:1 149:12,16	316:23 317:2,7,9	343:18 345:7	86:9
61:2,5,13,16	165:17 225:16	317:14,22,25	inhale	interaction
62:16,25	256:15,24	318:4,16,25	283:12	20:13,20 99:8,9
incomplete	indolent	328:23 329:19,21	inhaled	100:10
324:14	314:5	336:16,17 338:3	218:18,22,25 219:6	interchangeable
inconsistent	induce	338:13	219:14,18,22,23	84:1
100:12 231:23	341:3	inflammatory	313:10 343:13,20	interest
incorrect	industrial	79:3 80:7 100:21	inherited	302:18,19 335:18
114:1	43:19	220:6,17 221:11	312:4 315:17	335:23 336:5
increase	infant	221:14,22 222:1,5	initial	interested
153:8 163:5,9	312:22 313:1,3	222:7 227:4,5,16	209:20	349:17
	<u> </u>	<u> </u>		

				rage 372
interesting	247:13 248:3	281:9	jersey	julie
23:22 315:20	invited	items	1:2 2:20 3:9	70:24 71:1,13
internal	102:9	79:9 338:2	jessica	271:16 272:11
74:12 75:23 76:1,5	invoice	ive	2:21,22 8:19	273:2
international	4:11 17:18,20,23	11:14 13:16 15:1	job	july
5:23	18:5,8 56:22	20:19 27:12 30:19	41:10 108:16 114:2	103:8,23
internist	57:24 64:9,17	32:11 41:4,10	joellen	jumped
46:16	invoices	44:20 45:3,4 58:9	6:15	163:2
internship	12:12 16:6	65:19 67:15 68:23	john	jumping
21:6	invoked	69:2 70:11 75:2	70:5,7 71:10	319:8
interpreting	171:22 172:9,22	76:1 77:19 81:13	271:12,15 272:10	juncture
118:7,13	involve	83:6,11 88:5	273:1	95:24
interrupt	165:2 202:11	90:19,22,23	johnson	jury
334:9	205:11 208:2	108:22 110:7	1:4,4 2:13,13 8:18	42:9,11
interval	280:23	127:19 129:2,6	8:18,20,20 9:10	74.7,11
137:23	involved	132:20 136:19	9:10 29:20,21,22	K
intervals	18:16 20:18,21	143:3 148:15	29:23 70:13,13,14	kadry
142:1 149:23 150:4	70:16 106:10	171:3 186:5	70:15,20,20 71:3	7:10
191:18	163:25 203:13	190:12 196:6	71:3 76:14,14	keep
interview	205:12,20 208:3,5	190.12 190.0	· ·	18:19,23 37:7
	•	221:4 237:6	223:8,8,20,21,21	55:24 255:4
103:22 161:5,12	259:8 262:12,21		267:17,17,21,21	keeping
interviewed	263:18 295:20,22	253:23 255:13	271:11,11 273:18	13:7
161:19	involves	269:19 270:22,22	273:18 274:1,1,15	kemble
intramuscular	168:23	275:21 288:25	274:15 275:2,3,8	3:8
203:18	involving	297:13 300:10	275:8 331:12,22	kept
intrauterine	27:24 65:7,10	309:9 310:7	344:22,22 345:4,4	24:25 108:4
79:5	irritation	326:11 344:21	johnsons	keskin
introduce	226:3 313:21	J	223:4 236:1 270:17	49:20,21,22 50:13
8:8	isnt	 -	272:8 276:4 277:6	
invade	15:15 125:8 126:10	74:2,2,12,12,24,24	289:14,24 290:22	key 22:25 73:1
314:21	148:20 170:4	75:6,6	291:5,24 331:3	
invasion	189:9,16 274:23	· · · · · · · · · · · · · · · · · · ·	344:7	kill
195:3 314:25	isolated	james	joined	339:22
invasive	71:16,23 72:5	3:15,21,21 8:21 9:3	58:25 175:7	killing
146:16 237:11	isrtp	jane 3:5 8:24	joinery	251:16
investigate	248:13		127:12,16	kind
67:17 131:14 250:9	issue	january 4.12 17.19 22 19.5	joints	98:20,23 99:13
250:11,14 273:13	24:21 113:1 116:17	4:12 17:18,22 18:5	222:2	205:16 229:5
346:2	118:20,20 131:14	27:10,16,22 29:3	journal	254:25 304:23
investigated	157:22 209:14	39:19 53:20 58:10	5:16 48:22 49:2	310:6 327:14
346:4	225:19	112:5	82:25 102:9 152:1	kinds
investigating	issues	jbillingskang	152:14 335:21,24	336:24 339:3
109:1	41:11 43:2 113:24	3:16	336:1 342:5	knew
investigation	114:20 115:2	jbockus	journals	14:17 19:7 20:7
101:4,22 114:11	165:8 284:1	3:6	335:17	44:10 45:4 91:9
315:20	294:22	jd	judy	324:17
investigators	italian	2:6	68:18,20,21	know
	<u> </u>	l	<u> </u>	ı

				Page 3/3
11:7 12:1,23 14:6	336:4 337:16	langseth	180:9 221:12,16	90:25 328:6
15:4 17:5 19:9	338:14,14 341:7	6:4 48:25 135:16	222:5 315:8	lifetime
21:12 25:23 28:11	knowing	135:21 136:18	leading	320:25 321:6,13,17
32:13 39:8 44:9	240:1	137:1,5,9,13	231:4 245:20	321:23 322:7,13
49:7,8 63:21 67:5	knowledge	7 7 7	259:17 340:6	323:10 345:19
,	0	138:25 140:20,23		
68:22 69:14,15	13:25 15:8 44:20	142:6,14,15,17,18	leads	light
70:14,19,24 71:4	76:4 112:20	142:20 143:2	100:22 222:8 249:6	24:20 248:11
73:23 74:15 82:8	166:10 291:22	173:16,20 174:21	learn	320:14
82:18 89:21 92:11	330:4 346:10	182:12 183:3,7,12	295:15	liked
94:7,11 108:10	known	184:7,10,16,21	learned	89:11
109:18,21 113:22	19:4,7 84:14 125:9	185:19 187:1,16	45:4	likewise
118:20 122:21	246:3 261:10	199:19 200:5	learning	327:22
123:21 125:12	262:5 344:15	305:8	312:15	limit
156:5 163:21	knows	lanphear	leave	259:5
164:24 178:21	91:10,19,22 279:21	51:14	287:4	limitations
185:13 188:17	kohler	large	led	118:4,13,16 119:1
189:3 193:24,25	5:13 99:17	15:21 106:17	234:18 235:6	119:9,10 280:2,15
193:25 197:17	т	157:22 176:24	lee	limited
204:4,12 207:5,5	L	larger	63:12	126:16 145:2 147:9
207:10 216:13	 	131:13 244:12	left	185:13 327:8
218:5 219:8	1:12 2:21 4:10,18	lastly	147:6 249:25	limitless
221:11 224:1	5:15 9:6 347:2	64:24	lefthand	313:24
225:15 235:7	348:3	latency	155:10 241:8	limits
245:13 253:1	lab	5:7 51:6,11,13 52:3	legs	149:11,11
254:13 256:2,9	99:14,14 249:14,14	52:5,9,10,17,23	204:14,18 206:20	line
257:18 265:16,24	340:13,16	52:24	207:12	37:12 79:23 101:17
266:1 268:12	labia	laurel	leigh	185:2 255:8 348:5
272:25 273:9	197:25,25	67:23	2:5,6 8:11	lines
274:25 276:23,25	laboratories	law	lends	161:4 229:18 254:3
277:22 278:19	236:23	4:12	200:8	254:24 312:19
279:6,10 281:6	laboratory	lawsuit	length	link
284:3,17,23,24	101:4 221:8 234:24	160:4 163:15,23	198:6 285:21	154:21 155:12
285:1 286:12	235:25 255:7,19	164:3	letter	213:22 279:24
289:16 292:18	257:7,15 259:17	lawsuits	5:21 113:15 115:23	linked
293:23 295:8	337:13	160:9,23 161:24	116:9 248:20	220:7 241:24
296:20 300:23	lack	162:1,10,16,20,25	309:5	333:10
301:1,3,22 302:5	79:1,2 129:4	lawyers	level	list
302:8,10,14,17,20	174:13 177:5	38:10 76:15 253:2	256:5 336:11	4:13 12:9 14:2,12
309:6,8 312:8,10	lacking	253:16 334:25	levels	25:25 29:8 32:15
312:13 315:14,15	120:24 121:12,16	lay	46:23 291:13 310:6	34:23 36:24,24
316:14,21 317:12	121:18 122:9	207:6	lhg	39:23,24 40:6,21
318:25 319:19	lacks	laying	1:7 348:4	48:3 54:19,19
320:18 323:20	247:9	203:22,25 206:10	liability	63:4,20 72:19
324:7,11 325:1,9	laid	206:18	1:7 27:23 28:25	74:19,25 75:1,7
326:22 327:25	205:25 207:10	lead	1: / 2 /: 23 28: 23 lid	*
329:10 332:18	land			76:7 79:8 109:23
333:25 334:3,4,6	210:22	93:12 100:14	89:3	110:2,12 137:5
333.43 334.3,4,0	210.22	121:18 122:8	life	178:4,6,16 214:21

				Page 374
237:19 238:20,25	98:21	248:24 264:25	326:12	242:23 301:6,8
240:9 288:20	liver	269:19 304:7	lot	majora
listed	336:20	310:8 319:22	28:7,12 59:8 65:19	197:25
12:8 28:3 32:11	lives	330:9	90:24 319:8	majority
63:9 71:22 72:25	129:1 215:22	looked	lots	77:11 168:4,14
75:2 96:14 110:17	living	39:22 45:18 85:18	46:22	274:22
185:3 302:7,12	323:23 325:12	108:8 113:1,1	low	making
listing	323.23 323.12 llp	139:5 160:3	171:20 172:8,21	334:13
4:19 5:24 26:12,19	2:9,14,19 3:8,13	173:20 199:14	237:11	malignancy
33:5 37:11 124:16	location	200:21 205:5	lower	93:13 197:8 281:20
125:13	161:4	254:2,24 256:11	134:18,23 135:9	malignant
lists	long	266:25 269:20	149:11 216:17	51:13 92:14 237:11
35:14 77:3 124:18	45:18 99:13 100:2	271:15 273:25	217:10 251:22	310:16
		279:23 280:9		
137:13 173:24 literature	209:13 268:19,21 269:7 325:12		265:18	malpractice 26:24 27:1,8,13
24:14 42:12 52:1	339:25	294:11 300:19 317:20	lumped 132:15	28:2,8,16
				′ ′
77:10 81:25 83:20	longer	looking 34:18 82:18 100:4	lung	management 108:21
84:8,25 85:24	286:3 311:16		266:19 267:8	
96:19 114:6	316:11	101:16,22 102:18	283:13	manager
117:12 127:21	longo	115:13 121:16	lying	17:23 18:8
128:4,6 129:18	5:9 31:25 34:13	124:24 127:22	204:7	managing
130:11 131:19	53:10,20 65:15,18	140:20 143:14,24	lyle	7:7 293:1 297:20
217:9 231:3	271:7 275:5	147:6 154:5	5:10 9:13	manner
245:17 257:14,14	longos	160:22 163:15	lymphocytes	123:6 276:18
262:13 266:16	66:6,9	169:15 171:2,5,6	227:4 228:16	manufactured
267:6 272:1,4	look	180:21 183:21	lynch	27:25 29:20,22
289:12	11:7 30:5,24,24	190:19 192:3	79:6 312:5	manuscript
litigation	45:15,16 63:11	201:17 229:23	M	254:22 335:20
1:8,24 8:7 9:15	77:14 99:20 105:1	230:13 238:15		march
16:24 18:21 19:6	108:18 109:6,7,11	244:9 248:1	m 1.12 15 2.10 5.10	27:7
21:19 22:12 23:6	110:14,22 111:17	249:25 251:7	1:12,15 3:10 5:10	margaret
28:23 29:2 44:5	112:25 113:10	277:8 283:6 296:9	5:15,22 6:15 8:4	2:6,7 8:13
57:18 60:12,15	114:20 115:12	306:7 308:16	90:12,13,13,15	mark
62:16,25 65:14	116:23 120:3	317:13,13	177:20,21,21,23	26:2,10 30:2 34:15
66:7,19,22,23	127:25 135:25	looks	259:21,22,22,24	36:3,5,8 37:6
69:8 71:15 75:21	136:6 141:5	36:19 40:23 49:25	272:14,19 308:2,3	47:17 102:1
76:2,6 83:21 84:4	150:22 151:9	53:24 122:24	308:3,5 343:4,5,5	151:14,14,15
84:9 102:15	159:17 161:3	170:25 228:2	343:7 346:19,20	152:4,10,24 190:5
104:21 253:2,17	162:1 165:8 167:9	281:8 308:20	347:2 348:3	190:6,7 218:2,4,9
296:4 335:1 348:2	170:12 171:4	los	maam 200-24-221-4	230:3 238:10
little	173:19,23 180:18	2:16	308:24 321:4	300:5
37:18 50:23 99:24	183:17 185:10	loses	macrophages	marked
202:5 327:7	191:4 202:10	92:14	225:23	4:9 5:2,4,5 6:2 7:2
339:19	217:17 227:2	losing	maintain	11:3,5 16:8 26:4
live	228:14 229:16,19	27:3 155:16	19:16	26:11 30:3,8 33:2
98:21 311:16	233:17 238:3,10	lost	major	33:25 36:4,7,10
lived	243:20 245:25	77:19 136:19	238:5 241:18	37:9 39:2 47:20
	I	l	I	I

				Page 375
40.14 40.16 10	12:9 39:24 75:1	242.21.259.25	92.0 92.25 94.2	201.22 202.0 12
48:14 49:16,18		243:21 258:25	82:9 83:25 84:2	281:23 283:8,13
51:7 53:6 54:25	76:7 237:19	263:4 314:25	medicolegal	283:16
55:6,12 57:7	238:25 240:9	316:20 323:7	4:14 21:20,22 22:6	met
72:18,20 99:18	materialsreviewed	329:25 334:9	22:9 28:19 60:5	57:18,20 68:23
102:3 110:23	75:7	339:6 342:14	medium	253:23
113:11,13 124:14	maternalfetal	meaning	203:6 337:19,20	metaanalyses
136:3,4,22 152:16	61:14	32:18 160:23 161:9	338:5,16	129:25 135:19
153:2 159:20	math	161:17	meet	141:24 142:2
190:9 218:7 230:6	163:8 321:16,20	meaningful	58:22	144:3 145:14
237:8 238:12	323:12 324:6	71:19	meeting	148:2,8 172:16
292:20 293:23	matter	means	19:19 58:9,11	178:2,17,25 179:5
297:18 300:7	16:6,12 23:14 25:4	140:12 172:25	95:10,15	179:7 180:14
308:9	26:23 27:3,6,10	175:2,13 297:2	meetings	181:11 182:7,9,11
markedup	27:16,17 28:25	322:16 340:12	19:21 57:25 58:19	185:9 186:4,8
293:24	30:11,15 43:8	meant	melissa	188:6 214:21
marker	44:16 45:14 51:2	33:17	7:5	301:25
205:9 206:13,17	54:16 56:16 57:6	mechanism	member	metaanalysis
207:11	58:8 61:3,4 64:25	22:24 83:16 121:16	62:2,4 106:21,23	6:6,9,12 7:9 24:24
market	66:14 68:25 83:5	121:17 122:8	108:25 109:3,9,9	136:18 139:14
129:4 223:8	111:11 139:1	154:13 189:9,11	members	140:14 146:25
marketing	198:22 199:7	194:13,18 196:3,6	62:4,11	151:22 152:25
1:6	285:14	196:8,12,14	memorizing	170:5,16 171:10
marking	matters	209:25 217:7	188:2	171:16,19 174:16
57:1	21:20,23 22:4,6,8,9	220:9 232:25	memory	177:9 178:8,20
maryam	26:20 28:23 60:12	234:5,8,21,21	66:13 163:18 205:5	179:12,18,23
3:10 9:1	65:4	320:13	206:22 214:4	180:4,8,12 181:2
material	matthew	mechanisms	239:7 241:1	181:6 182:3
41:5 69:24	5:13	132:14 154:16	menstrual	214:12 282:22
materials	mayo	193:13,18 194:16	189:1	300:3,20 302:3,6
4:19 11:21 12:7,8	110:1,1	193:13,18 194:10	mention	303:5
12:12,16 15:21	md	194.20,22,23	34:20,25 35:22	metals
*		7	/	267:20 276:14
16:2 29:6,7,9,11	2:6 4:16,18,22,24	262:18	103:4,6	
30:18,23,25 31:2	4:25 6:22 9:6	media	mentioned	287:22 288:4,5,13
31:5,15 33:6,9,17	mdl	85:1	23:2 34:23 79:9	288:19 289:5,23
34:1,4,6,8,11	1:6 8:7 9:15 16:24	median	103:23 274:11,17	290:21,25 291:5
35:18 36:15 37:6	18:20 22:12 29:1	61:12,16	merritt	291:10,13,17
39:6,22,24 40:13	57:17 60:1 65:14	medical	7:5 237:3,15,18	292:7 330:10,18
40:14,15,20 48:12	66:20,23 348:2	19:11 25:8,18,20	238:11 243:25	330:24 331:7,14
51:17 54:14 57:14	mean	26:24 27:8,13	meseha	metastases
59:8 72:19,22	12:23 20:16 35:4	28:2,8,16 81:10	3:10 9:1,1	195:3
73:1 74:19 108:14	42:17 90:5 118:11	83:20 84:8 98:5	mesh	metastasis
151:24 159:25	128:21 134:12,23	114:6,20 236:20	329:10,12,15,19	315:1
190:7 214:10	164:25 169:9	266:16 267:5	mesothelioma	metastasize
238:20 239:1	172:24,24 175:12	333:4	43:4 51:11,13	314:22 318:11
277:2 292:13	177:12 181:24	medicine	52:10,18,25	methodology
309:1	188:2 192:15	4:12,24 5:16 35:14	266:20 267:8	81:16 82:16 83:14
materialsconside	196:2 223:15	46:16 61:14 82:8	272:20 281:13,19	85:3 164:14,17,22
	l		l	l

165:5,8 174:12 177:4 180:9,13 224:12 152:4 218:1 mindful 260:11 321:12 19:3,3 321:12 19:3,3 301:23,25 323:20 335:29 mineral 38:22 68:3 151:25 mineral 38:19 235:15 mineral 225:24 268:13 31:0 243:9 251:3 310:22 325:9 mineral 360:24 32:0 morphed 263:10 morphed mumps 260:10 morphed morphed mumps 260:10 morphed morphed mumps 260:10 268:11 269:3,15 269:7,17 minmhmm morristown mutated 31:0 310:15 mothers 310:15 mothers 310:15 mothers 310:15 mothers 93:5,9,24 94:6 mothers 93:5,9,24 94:6 mothers 93:5,9,24 94:6 221:7,17 8:17 169:22 129:12,15 mothers 93:5,9,24 94:6 228:9 229:9 4:25 7:10 mothers 233:2 251:4 228:9 229:9 4:25 7:10 mother 312:1 315:10 312:1 315:10 312:1 315:10 312:1 315:10 312:1 315:10 312:1 315:10 33:8 345:18,21 30:22 33:2 33:2 33:0 31:2 23:2 33:2 33:2 33:2 33:2 33:2 33:2
177:4 180:9,13 224:19,21 243:24 244:23 255:15 mine 38:22 68:3 151:25 mineral 325:24 268:13 341:18,21 342:21 morphed 243:9 251:3 310:22 morphed 3:0
224:19,21 243:24 260:11 mine 3:21,21 9:3,3 341:18,21 342:21 342:25 morning 186:3 204:19 310:22 morning 310:22 342:25 morning 310:22 342:25 morning 310:22 342:25 morning 310:22 310:22 morning 310:22 310:22 morning 310:22 310:23 310:41:15 310:15 3
244:23 255:15 mine 341:18,21 342:21 morning 243:9 251:3 310:22 morphed mumps mutated 310:15 morphed morphed morphed morphed morphed mumps mutated 310:15 mutated 310:15 mutation morphed morphed morphed morphed mutated 310:15 mutated morphed morphed mutated morphed morphed mutated morphed morphed mutated 310:15 mutated morphed morphed mutated morphed mutated morphed mutated morphed mutated mutation mothers 93:5,924 94:6 126:16 252:12,219 19:12,219:12,11 mother 216:16 251:12,21 313:6 196:7,16 220:10 226:12,17
301:23,25 323:20 38:22 68:3 151:25 mineral 225:24 268:13 3:10 44:10 263:10 mumps 263:10 mustated 3:9 mortality mutation 5:12 92:12,21 93:2 246:2 269:23 287:8,16 modest 128:17,21,23 313:6 196:7,14 220:10 233:2,251:4 2247:13 198:1 255:3 motility 282:11 310:14,15 228:9 229:9 4:25 mints modified 216:16 252:22 256:25 228:9 229:9 4:25 minute 205:14 207:8 57:2 247:3 minute 205:14 207:8 88:3 177:16 258:15 30:22 34:4 84:22 130:22 339:24 42:6 minute 33:12 31:12 33:19 184:4 200:21 205:19 219:14 229:11 migrate 219:14 229:11 migrates 86:21 87:8 209:16 240:14,20 293:20 201:24 209:8 195:12,25,68,10 257:8,8 259:11 migrating monday 309:12 326:14 234:3,17 235:5 232:8,21 233:16 monday 309:12 326:14 237:8,21 233:16 monday 309:12 326:14 328:10 257:8,8 259:11 migration montoring montoring montoring montoring montoring montoring 311:20 312:5,16 montoring montoring montoring 311:20 312:5,16 31:20 312:5,16
325:9 methods mineral 225:24 268:13 3:10 44:10 263:10 81:19 235:15 methvin 269:7,17 minmm morristown 310:15 2:3 266:16 267:6 modal mortality mutation 246:2 269:23 287:8,16 modest mothers 93:5,9,24 94:6 michael 1169:22 129:12,15 motile 233:2 251:4 motile 2247:13 198:1 255:3 motility 201:22 31:22 256:25 motility 228:9 229:9 mirorsopheres 4:25 minute 7:10 molecular 30:22 34:4 84:22 mount 33:21 315:10 motile 124:6 middle 341:12 misrepresentation 35:2 misrepresents 30:22 34:4 84:22 mount 345:18,21 mutations 87:1 89:5 199:1,14 229:11 migrates 35:2 missed 197:19 202:17 moments 127:22 129:7 142:3 missed 100:23 mount 39:51,2,56,8,10 mount 86:21 87:8 209:16 210:3 250:24 missed 197:19 202:17 mount 127:22 129:7 142:3 missed 100:23 mount 100:23 mount 39:51,2,56,8,10 mount 190:20 misrepresents 209:6 283:2 missed 156:7 159:8 mount 100:23 mount 100:24 159:16 mount 100:23 mount 100:24 153:14,16 mount 1
methods 225:24 268:13 3:10 44:10 263:10 methvin minerals 136:24 3:9 310:15 2:3 266:16 267:6 modal morristown 310:15 mice 268:11 269:3,15 216:16 mortality mutation 246:2 269:23 287:8,16 modest mothers 93:5,9,24 94:6 microlical minimal 128:17,21,23 313:6 196:7,16 220:10 2:17,17 8:17 169:22 129:12,15 motile 233:2 251:4 micronized minora modified 216:16 255:23 motility 282:11 310:14,15 247:13 198:1 modified 201:22 310:20 311:9,15 312:1 315:10 microspheres minute molecular 156:9 321:132:23 39:24 205:14 207:8 57:2 247:3 250:19 318:68,12 mount 344:12 345:18,21 middle 341:12 341:12 300:22 34:484:22 mounting mutations migrate 35:2 240:14,20 <th< td=""></th<>
81:19 235:15 methvin 269:7,17 minerals mmhmm modal morristown 310:15 motated 2:3 266:16 267:6 mice 268:11 269:3,15 269:23 287:8,16 modest 216:16 modest mothers 93:5,9,24 94:6 michael minimal 128:17,21,23 313:6 motile 133:6 196:7,16 220:10 196:7,16 220:10 2:17,17 8:17 microized minora mints modified 216:16 252:22 256:25 233:2 251:4 motile 247:13 microscopic mints modamed 201:22 310:20 311:9,15 motion 310:10 312:9,15 motile 228:9 229:9 microspheres minute molecular motion 310:20 311:9,15 motion 312:1 315:10 motion 124:6 middle 341:12 misrepresentation 341:12 moment 345:18,21 mount 345:18,21 mount 190:20 migrate 35:2 misrepresentation 35:2 mounting 100:23 mounting 79:5 91:16 92:7 mount 87:1 89:5 199:1,14 209:11 misrepresents 240:14,20 293:20 20:217 20:24 20:23 244:16 20:22 32:8,21 233:16 20:23 244:16 20:23 244:16 20:23 244:16 20:32 20:23 244:16 20:23 244:16 20:32 20:23 244:16 20:23 244:16 20:23 244:16 20:23 250:24 20:34 20:25 250:24 20:34 20:25 20:23 244:16 20:25 20:24 20:34 20:25 20:24 20:34 20:25 20:24 20:34 20:25 20:24 20:34 20:25 20:24 20:34 20:25 20:24 20:25 20:24 20:25 20:24 20:25 20:25 20:24 20:25 20:25 20:24 20:25 20:25 20:24 20:25 20
methvin minerals 136:24 3:9 310:15 mice 268:11 269:3,15 216:16 134:15 5:12 92:12,21 93:2 246:2 269:23 287:8,16 modest mothers 93:5,9,24 94:6 michael minmal 128:17,21,23 313:6 196:7,16 220:10 247:13 198:1 modified 216:16 252:22 256:25 247:13 198:1 modemodified 216:16 252:22 256:25 247:13 198:1 255:3 motility 282:11 310:14,15 microsopic mints mohamed 201:22 310:20 31:9,15 228:9 229:9 4:25 7:10 motion 312:1 315:10 microspheres minute molecular 156:9 321:12,22 339:24 205:14 207:8 57:2 247:3 30:22 34:4 84:22 mount 340:15 344:5 mid misrepresentation 183:19 184:4 mount 340:15 9:27 79:5 91:16 92:7 190:20 misrepresents 209:6 283:2 156:7 159:8 103:24 153:14,16
2:3
mice 268:11 269:3,15 216:16 modest mothers 93:5,9,24 94:6 michael minimal 128:17,21,23 313:6 196:7,16 220:10 2:17,17 8:17 169:22 129:12,15 motile 233:2 251:4 micronized minora modified 216:16 252:22 256:25 247:13 198:1 255:3 motility 282:11 310:14,15 microscopic mints mohamed 201:22 310:20 311:9,15 228:9 229:9 4:25 7:10 motion 312:1 315:10 microspheres minute molecular 156:9 321:12,22 339:24 205:14 207:8 57:2 247:3 250:19 318:6,8,12 mount 340:15 344:5 mid 88:3 177:16 258:15 30:22 34:4 84:22 mounting mutations 190:20 misrepresentation 35:2 197:19 202:17 127:22 129:7 142:3 100:7,23 102:24 87:1 89:5 199:1,14 misrepresents 209:6 283:2 156:7 159:8 103:24 153:14,16 200:21 205:19 240:14,20 293:20
246:2 269:23 287:8,16 minimal 169:22 128:17,21,23 313:6 196:7,16 220:10 233:2 251:4 motile 233:2 251:4 motile 233:2 251:4 motile 233:2 251:4 motile 255:22 256:25 motility 282:11 310:14,15 310:20 311:9,15 310:20 311:9,15 310:20 311:9,15 310:20 311:9,15 310:20 311:9,15 321:12,22 339:24 329:14 207:8 minute molecular 250:14 207:8 minute molecular 250:19 318:68,12 mount 340:15 344:5 345:18,21 motile 341:12 137:19 147:19 100:23 79:5 91:16 92:7 190:20 misrepresentation 35:2 197:19 202:17 183:19 184:4 move 335:2 197:19 202:17 127:22 129:7 142:3 100:7,23 102:24 100:7,23 102:24 127:13 300:19 251:18 267:23 232:8,21 233:16 232:8,21 233:16 230:7 218:23 219:1 misspoke monety moved 200:18 311:8,10,12,16,17 migration misstates monitoring moving 311:20 312:5,16
michael minimal 128:17,21,23 313:6 196:7,16 220:10 2:17,17 8:17 micronized minora 129:12,15 motile 233:2 251:4 247:13 198:1 255:3 motility 282:11 310:14,15 228:9 229:9 4:25 mints mohamed 201:22 310:20 311:9,15 228:9 229:9 4:25 minute motion 312:1 315:10 228:9 229:9 4:25 minute molecular 156:9 321:12,22 339:24 205:14 207:8 57:2 247:3 monet 325:19 318:6,8,12 mount 340:15 344:5 mid minutes 88:3 177:16 258:15 30:22 34:4 84:22 mount 340:15 344:5 middle 341:12 30:22 34:4 84:22 mounting mutations 199:20 misrepresentation 35:2 move 127:19 202:17 127:22 129:7 142:3 100:7,23 102:24 87:1 89:5 199:1,14 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed moments 220:
2:17,17 8:17 micronized minora 198:1 255:3 motile 25:22 256:25 25:24 247:13 198:1 255:3 motility 282:11 310:14,15 282:9 229:9 4:25 7:10 motion 312:1 315:10 312:1 3
2:17,17 8:17 micronized minora 198:1 255:3 motile 216:16 252:22 256:25 motility 282:11 310:14,15 motion 282:9 229:9 4:25 7:10 motion 312:1 315:10 minute 255:14 207:8 minutes minutes monute 250:14 207:8 88:3 177:16 258:15 motility 282:11 310:14,15 motion 312:1 315:10 motion 312:1 315:10 312:2 339:24 310:20 311:9,15 310:20 311:9,15 310:20 311:9,15 310:20 311:9,15 310:20 311:9,15 310:20 311:9,15 320:14 207:8 motion 312:1 315:10 motion 312:1 315:10 motion 312:1 315:10 312:1 315:10 312:1 315:10 320:15 344:5 320:15 344:5 320:15 344:5 320:15 34:5 345:18,21 mount 340:15 344:5 330:22 34:4 84:22 mounting mutations mutations 341:12 137:19 147:19 100:23 79:5 91:16 92:7 35:14 209:21 35:2 197:19 202:17 127:22 129:7 142:3 100:7,23 102:24 127:12 209:6 283:2 156:7 159:8 103:24 153:14,16 127:13 300:19 200:23 244:16 197:5,8 231:1 127:13 300:19 251:18 267:23 232:8,21 233:16 328:10 257:8,8 259:11 migrates missing monday 309:12 326:14 234:13,17 235:5 320:7 218:23 219:1 misspoke money moved 269:14 310:22 200:7 218:23 219:1 misstates monitoring moving 311:20 312:5,16
micronized minora modified 216:16 252:22 256:25 247:13 198:1 255:3 motility 282:11 310:14,15 microscopic mints mohamed 201:22 310:20 311:9,15 228:9 229:9 4:25 7:10 motion 312:1 315:10 microspheres minute 250:19 318:6,8,12 mount 340:15 344:5 mid minutes 30:22 34:4 84:22 mount 345:18,21 124:6 88:3 177:16 258:15 30:22 34:4 84:22 mounting mutations 190:20 misrepresentation 183:19 184:4 move 93:12,20 99:2,5 199:20 misrepresents 197:19 202:17 127:22 129:7 142:3 100:7,23 102:24 87:1 89:5 199:1,14 200:21 205:19 240:14,20 293:20 201:24 209:8 103:24 153:14,16 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,25,68,10 219:14 229:11 missed 200:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing 250:24 1
247:13 198:1 255:3 motility 282:11 310:14,15 microscopic mints 4:25 7:10 motion 312:1 315:10 205:14 207:8 57:2 247:3 molecular 156:9 321:12,22 339:24 205:14 207:8 57:2 247:3 moment 3:8 345:18,21 mid minutes moment 3:8 345:18,21 middle 341:12 137:19 147:19 100:23 79:5 91:16 92:7 190:20 misrepresentation 183:19 184:4 move 93:12,20 99:2,5 migrate 35:2 197:19 202:17 127:22 129:7 142:3 100:7,23 102:24 87:1 89:5 199:1,14 misrepresents 209:6 283:2 156:7 159:8 103:24 153:14,16 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed moments 220:3 244:16 197:5,8 231:1 86:21 87:8 209:16 missing monday 309:12 326:14 234:13,17 235:5 86:21 87:8 23 219:1 misspoke money 60:17 62:6,8,23,23
microscopic 228:9 229:9 mints 4:25 mohamed 7:10 201:22 motion 310:20 311:9,15 microspheres 205:14 207:8 minute 57:2 247:3 molecular 250:19 318:6,8,12 moment mount 340:15 344:5 mid minutes middle 88:3 177:16 258:15 341:12 30:22 34:4 84:22 137:19 147:19 mounting 100:23 mutations 79:5 91:16 92:7 190:20 migrate misrepresentation 35:2 183:19 184:4 197:19 202:17 move 127:22 129:7 142:3 100:7,23 102:24 87:1 89:5 199:1,14 200:21 205:19 219:14 229:11 misrepresents 240:14,20 293:20 293:20 156:7 159:8 201:24 209:8 103:24 153:14,16 100:7,23 102:24 86:21 87:8 209:16 210:3 missed missing 250:24 moments 220:3 244:16 197:5,8 231:1 127:13 251:18 267:23 300:19 232:8,21 233:16 232:8,21 233:16 86:21 87:8 209:16 210:3 missing missing 250:24 monday 1:14 328:10 309:12 326:14 234:13,17 235:5 257:8,8 259:11 migrating 200:7 218:23 219:1 misspoke misstates monitoring moved moved 200:18 231:8,10,12,16,17 311:20 312:5,16
228:9 229:9 4:25 7:10 motion 312:1 315:10 microspheres minute molecular 156:9 321:12,22 339:24 205:14 207:8 57:2 247:3 250:19 318:6,8,12 mount 340:15 344:5 mid minutes 88:3 177:16 258:15 30:22 34:4 84:22 mounting mutations middle 341:12 morepresentation 183:19 147:19 100:23 79:5 91:16 92:7 190:20 misrepresents 35:2 197:19 202:17 127:22 129:7 142:3 100:7,23 102:24 87:1 89:5 199:1,14 misrepresents 209:6 283:2 156:7 159:8 103:24 153:14,16 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed moments 220:3 244:16 197:5,8 231:1 86:21 87:8 209:16 missing monday 309:12 326:14 234:13,17 235:5 210:3 misspoke money 257:8,8 259:11 migration missates monitoring moved 269:14 310:22 311:20 312:5,16
microspheres minute molecular 156:9 321:12,22 339:24 205:14 207:8 mid 57:2 247:3 250:19 318:6,8,12 mount 340:15 344:5 mid 88:3 177:16 258:15 30:22 34:4 84:22 mounting mutations middle 341:12 137:19 147:19 100:23 79:5 91:16 92:7 190:20 misrepresentation 183:19 184:4 move 93:12,20 99:2,5 87:1 89:5 199:1,14 200:21 205:19 240:14,20 293:20 156:7 159:8 103:24 153:14,16 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed moments 220:3 244:16 197:5,8 231:1 86:21 87:8 209:16 127:13 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 250:24 1:14 328:10 257:8,8 259:11 migrating money 60:17 62:6,8,23,23 200:18 311:20 312:5,16 200:7 218:23 219:1 misstates monitoring moving 311:20 312:5,16
205:14 207:8 mid 57:2 247:3 minutes 250:19 318:6,8,12 mount 340:15 344:5 345:18,21 mount 124:6 middle 88:3 177:16 258:15 341:12 misrepresentation 30:22 34:4 84:22 mounting 100:23 move 79:5 91:16 92:7 93:12,20 99:2,5 190:20 misrepresentation migrate 35:2 misrepresents 197:19 202:17 209:6 283:2 293:20 209:6 283:2 293:20 201:24 209:8 201:24 200:14 200
mid minutes 88:3 177:16 258:15 moment 30:22 34:4 84:22 mounting mutations 190:20 misrepresentation 183:19 184:4 move 93:12,20 99:2,5 87:1 89:5 199:1,14 misrepresents 209:6 283:2 156:7 159:8 100:7,23 102:24 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed moments 220:3 244:16 197:5,8 231:1 migrates 127:13 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing monday 309:12 326:14 234:13,17 235:5 210:3 mispoke 1:14 328:10 257:8,8 259:11 migrating 200:7 218:23 219:1 misspoke money 269:14 310:22 200:7 218:23 219:1 misstates monitoring moving 311:8,10,12,16,17
124:6 middle 88:3 177:16 258:15 30:22 34:4 84:22 mounting mutations 190:20 misrepresentation 183:19 184:4 100:23 79:5 91:16 92:7 87:1 89:5 199:1,14 200:21 205:19 219:14 229:11 35:2 misrepresents 209:6 283:2 29:124 209:8 156:7 159:8 20:124 209:8 100:7,23 102:24
middle 341:12 137:19 147:19 100:23 79:5 91:16 92:7 190:20 misrepresentation 183:19 184:4 move 93:12,20 99:2,5 87:1 89:5 199:1,14 misrepresents 209:6 283:2 156:7 159:8 100:7,23 102:24 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed moments 220:3 244:16 197:5,8 231:1 migrates 127:13 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing monday 309:12 326:14 234:13,17 235:5 210:3 misspoke money moved 269:14 310:22 200:7 218:23 219:1 misspoke monitoring moving 311:8,10,12,16,17 migration misstates monitoring moving 311:20 312:5,16
190:20 migrate misrepresentation 35:2 183:19 184:4 197:19 202:17 move 127:22 129:7 142:3 93:12,20 99:2,5 100:7,23 102:24 87:1 89:5 199:1,14 200:21 205:19 200:21 205:19 219:14 229:11 migrates 240:14,20 293:20 201:24 209:8 201:24 209:8 201:24 209:8 200:3 244:16 200:3 200:3 244:16 200:3 244:1
migrate 35:2 197:19 202:17 127:22 129:7 142:3 100:7,23 102:24 87:1 89:5 199:1,14 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed 200:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing 309:12 326:14 234:13,17 235:5 210:3 250:24 1:14 328:10 257:8,8 259:11 migrating misspoke money moved 269:14 310:22 200:7 218:23 219:1 115:17 60:17 62:6,8,23,23 200:18 311:8,10,12,16,17 migration misstates monitoring moving 311:20 312:5,16
87:1 89:5 199:1,14 misrepresents 209:6 283:2 156:7 159:8 103:24 153:14,16 200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed moments 220:3 244:16 197:5,8 231:1 migrates 127:13 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing 309:12 326:14 234:13,17 235:5 210:3 250:24 1:14 328:10 257:8,8 259:11 migrating misspoke money moved 269:14 310:22 200:7 218:23 219:1 115:17 60:17 62:6,8,23,23 200:18 311:8,10,12,16,17 migration misstates monitoring moving 311:20 312:5,16
200:21 205:19 240:14,20 293:20 201:24 209:8 195:1,2,5,6,8,10 219:14 229:11 missed 220:3 244:16 197:5,8 231:1 migrates 127:13 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing 309:12 326:14 234:13,17 235:5 210:3 250:24 1:14 328:10 257:8,8 259:11 migrating misspoke money moved 269:14 310:22 200:7 218:23 219:1 115:17 60:17 62:6,8,23,23 200:18 311:8,10,12,16,17 migration misstates monitoring moving 311:20 312:5,16
219:14 229:11 missed moments 220:3 244:16 197:5,8 231:1 migrates 127:13 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing monday 309:12 326:14 234:13,17 235:5 210:3 mispoke 1:14 328:10 257:8,8 259:11 migrating money moved 269:14 310:22 200:7 218:23 219:1 115:17 60:17 62:6,8,23,23 200:18 311:8,10,12,16,17 migration misstates monitoring moving 311:20 312:5,16
migrates 127:13 300:19 251:18 267:23 232:8,21 233:16 86:21 87:8 209:16 missing 309:12 326:14 234:13,17 235:5 210:3 250:24 1:14 328:10 257:8,8 259:11 migrating misspoke money moved 269:14 310:22 200:7 218:23 219:1 115:17 60:17 62:6,8,23,23 200:18 311:8,10,12,16,17 migration misstates monitoring moving 311:20 312:5,16
86:21 87:8 209:16 210:3 missing 250:24 monday 309:12 326:14 328:10 234:13,17 235:5 257:8,8 259:11 migrating 200:7 218:23 219:1 migration misspoke 115:17 misstates money 60:17 62:6,8,23,23 monitoring 200:18 moving 311:20 312:5,16
210:3 250:24 1:14 328:10 257:8,8 259:11 migrating misspoke money 269:14 310:22 200:7 218:23 219:1 115:17 60:17 62:6,8,23,23 200:18 311:8,10,12,16,17 migration monitoring moving 311:20 312:5,16
migrating 200:7 218:23 219:1 migration misspoke 115:17 monitoring money 60:17 62:6,8,23,23 monitoring moved 200:18 monitoring 269:14 310:22 311:8,10,12,16,17 311:20 312:5,16
200:7 218:23 219:1 115:17 60:17 62:6,8,23,23 200:18 311:8,10,12,16,17 migration monitoring moving 311:20 312:5,16
migration misstates monitoring moving 311:20 312:5,16
$1.198 \cdot 9.10.77 \cdot 199 \cdot 7 \cdot 1.44 \cdot 19.46 \cdot 1.147 \cdot 73 \cdot 1.97 \cdot 15 \cdot 1.217 \cdot 18 \cdot 1.217 \cdot 18 \cdot 1.217 \cdot 18 \cdot 1.217 \cdot 18 \cdot 19 \cdot 19 \cdot 19 \cdot 19 \cdot 19 \cdot 19 \cdot 19$
200:17 201:10,16 145:24 207:1 monograph mpaff 319:17 320:9
216:18 219:4 mistaken 37:2 122:16,20,20 2:6 322:25 339:14,17
mike 325:20 122:25 mph 339:22
34:19 88:1 151:16 mistakes monographs 4:25
170:18 177:15
218:2 258:13 misunderstand 122:21 123:16,19 132:17,25 133:5,7 n
303:1 22:1 123:21 124:17 151:6,12 153:25 2:1 3:1,14 8:1
miles misunderstanding montgomery 154:9 195:21 naked
2:3 35:6 2:4 197:15 220:23 228:2 316:16
mills misusing months mucosa name
138:18 139:19 205:5 198:3 9:12 67:3,23 68:17
mind mizagala morcellation mucus 69:10,13,16 70:7

				rage 377
233:22 348:2,3	148:22	nongenital	308:15,17,22	167:1,13 332:6
1	negated	219:12,16	309:2,6	nutritional
***	176:24	nonhormonalpro	notice	249:14
	negates	79:4	4:10 11:2,3,11,22	
_	119:21	nonindustrial	13:24 14:9,14,21	0
	negative	281:10	15:20 16:5	0
	248:7 337:2	nonobjectionable	november	8:1
	neither	12:17	16:20,22,25 17:8	obesity
* *	19:20 107:20	nonoccupational	18:2,11,15 26:8,8	79:3 80:7 264:1,14
111:9,21 112:12	349:13	281:3,7 282:19	26:16,21 48:6	object
	ness	283:3	55:3,21 56:1,24	16:14 18:12 25:11
*	138:16	nonresponsive	58:2 68:7 81:9	28:10 30:16 33:20
	neutralize	129:8 142:4 156:8	104:10 114:5	38:4,11 40:1,17
	249:19	159:9 175:6	nsaid	41:3,22 43:1,9
	never	188:21 244:15,17	245:9	45:2,25 46:20
•	72:6 109:14 156:1	251:19 267:24	nsaids	50:8 51:20 52:15
necessarily	161:13 166:21	278:15	7:4 237:4,22 245:3	53:1,15 54:7 61:8
106:13 148:15	253:23 278:8	nonusers	245:4,13	66:8 71:17,25
259:3 288:20	313:2 320:20	291:14	ntp	73:3 74:21 75:17
291:18,21 296:9	345:22 346:10	normal	246:2 247:21	75:24 76:9,22
	new	92:13 195:11 236:2	248:14	78:16 80:17 81:12
	1:2 2:20 3:9 5:16	236:3 250:4,4,25	nulliparity	83:22 84:10 85:6
255:7 271:4	27:9 94:15 102:8	255:16 258:3	79:2	85:16,22 86:8,15
need	182:10 188:5	269:12 310:15	number	86:23 87:9,15
12:24 13:22 14:5	262:12,17 263:18	north	4:9 5:2 6:2 7:2 9:18	88:19 90:4 91:4
27:12 36:14 56:8	263:24 292:13	1:18 60:19 61:10	11:17 16:2 23:15	91:12,21 92:3,10
72:24 77:6,9,14	300:2 312:15,15	67:6 95:20 96:5	29:8 45:23 53:13	92:19,25 93:7,18
· · ·	news	349:1	54:5 55:15 62:4	94:3,21 95:3 96:9
*	85:1 103:9	nos	73:11,13 82:2	100:16 101:14
	nice	152:16	86:3 93:12 107:3	102:25 103:15
, ,	252:21	notary	121:17 149:8	104:12,23 105:9
′ ′	nickel	349:3,24	160:15 165:3	106:1 107:10
200:13 202:3,9,16	330:4	notation	176:24 181:10	108:6 109:16
* *	nih	39:18	186:6 190:22	111:12 112:6
217:17 239:18	110:12	notations	197:7 198:25	113:6,25 114:22
	nine	308:18	218:9 256:18	115:8 118:9 119:2
	169:12,21 182:13	note	267:14 274:16	119:6 120:25
297:3,16 298:13	183:4	309:9	280:16 282:3	122:10,19 123:8
*	nonasbestiform	noted	300:12 323:24	123:18 124:4
needed	286:15 287:3,8	116:17 117:18	325:2 348:4	125:11,20 126:8
	noncarriers	248:1 339:9	349:24	126:18 128:11,19
	322:8	notes	numbers	129:22 130:4,13
needle	noncoffee	17:6 37:12 38:1,20	74:2,14 309:23	132:1 134:20
286:3	260:20	47:22 48:1,13,15	numerous	135:11 139:8,18
needs	nonendometrioid	48:18 49:16 51:9	266:15 267:5	139:24 140:2,8
314:10,17,19,21,24			1	141:1,20 142:9,23
317.10,17,17,21,27	226:18 227:8,21	53:13,17 115:23	nurses	· · · · · · · · · · · · · · · · · · ·
negate	226:18 227:8,21 228:8	53:13,17 115:23 116:3 308:10,12	nurses 165:20 166:2,7	144:5 145:9,21,23

				rage 370
146:23 147:18	274:4 277:24	333:12 335:16,25	319:17 320:9	93:7,18 94:3,21
148:13,25 149:24	278:13,14 280:18	337:3,11 338:6	occurred	95:3 96:9 99:11
150:6 153:10	280:25 282:8	342:19 343:15,22	256:7	100:16 101:14
				100:16 101:14
154:1,25 157:11	283:10,24 284:11	344:9,20 345:23	occurrence	
157:21 158:17	284:18 289:15	objectionable	22:16 24:2 190:24	104:12,23 105:9
163:12,20 164:7	290:16 291:7	11:24 12:3,8	occurring	106:1 107:10
164:12,23 166:18	294:20 295:7,12	objections	134:3 236:1	108:6 109:16
168:17 172:11	296:7,17 297:12	11:10,13 12:24	occurs	111:12 112:6
173:12 174:25	298:24 303:22	13:3,5,8 15:9	134:4 197:8 220:10	113:6,25 114:22
175:6,20 176:6	310:12 312:3,11	186:6	262:18	115:8,15,17,22,24
178:11 179:15	312:17 313:8,18	objectively	ocean	116:5 118:9 119:2
180:1,23 181:14	314:1,23 315:12	342:2	326:23	119:6 120:9,25
181:22 182:15	316:8 317:4,16	observation	odds	122:10,19 123:8
185:2 188:21	319:25 320:7	129:1 209:23	128:9,16 129:11,19	123:18 124:4
189:6,14 192:6,20	323:11,17,25	observational	137:5 138:21	125:11,20 126:8
193:15 196:17,25	325:21 326:2	261:6,20,25	149:10,22 150:3	126:18 127:13
198:17,24 199:9	331:1,10 332:3,8	observed	191:17 265:17	128:11,19 129:22
199:17 200:24	334:14 335:2	257:5	320:19 332:20	130:4,13 132:1
201:6,11,20	339:1,12 340:3,18	obstetrical	odell	134:20 135:11
204:16 205:22	341:1 345:9 346:6	19:23	2:5,6 4:6 8:11,11	136:6 139:8,18,24
206:15 207:20	objection	obstetrician	10:8 11:9,23 12:5	140:2,8 141:1,20
208:17 209:12,21	10:8 12:4 14:23	46:15	12:19 13:1 14:23	142:9,22 144:5
211:3,8 212:1,20	15:1 44:7,18 58:3	obstetricians	15:1,3,7,24 16:14	145:9,21,23
213:3,20 214:23	75:8 120:9 168:7	95:10 105:14	18:12 19:2,4,7	146:23 147:14,18
215:12 216:3	177:7 194:6	obstetrics	20:1 22:14 23:3	148:13,25 149:24
218:20 219:17	195:14 207:1	49:21 61:10	23:18 25:11,24	150:6,21 151:16
220:1 221:3	210:8,16 213:11	obtain	27:19 28:10 29:5	152:9 153:10
222:22 223:13	217:3 219:2	39:8	30:16 31:17 33:20	154:1,25 155:3
224:4 225:6	220:15 235:21	obtained	34:9,19,22 35:4	156:9,13 157:11
226:21 227:10	236:21 240:10,13	54:6,8	38:4,11 40:1,17	157:21 158:17
228:12,21 231:7	240:20 244:2	obtains	41:3,22 42:15,25	163:12,20 164:7
231:17 232:1	262:2 269:18	311:15	43:1,9,14 44:7,18	164:12,23 166:18
234:6 236:14	270:20 272:21	obviously	45:2,25 46:4,20	167:5 168:7,17
238:19 244:10,15	273:5 274:19,24	30:17 57:13 179:16	50:8 51:20 52:15	169:7 170:18,22
245:21 246:8	276:6,21 278:25	213:5	53:1,15 54:7 55:8	172:11 173:12
248:17 251:1,11	279:11,18 280:4	occasion	56:13 57:16 58:1	174:25 175:20
251:24 252:9	285:15 286:17	72:9,13	58:3,15,24 61:8	176:6 177:7,15
253:18 255:11,17	287:11,24 288:7	occasions	65:15 66:8 71:17	178:11 179:15
256:1,23 257:12	288:14 299:8,14	318:20	71:25 73:3 74:21	180:1,23 181:14
257:24 260:23	299:24 301:7		75:8,17,24 76:9	181:22 182:15,17
261:12,21 262:8	306:17 307:1	occupational	76:22 78:16 80:17	182:19,23 183:9
262:15,23 263:5	309:16 315:5	47:6 98:11,15,18	81:12 83:22 84:10	183:19 184:3
263:20 264:12	318:2,18 319:3	127:12,16 280:23		185:1,7,15,22
265:20,25 266:9	· · · · · · · · · · · · · · · · · · ·	284:9 345:8	85:6,16,22 86:8	186:13,21 187:4,9
268:17 269:25	321:14 322:14,18	occur	86:15,23 87:9,15	189:6,14 192:6,20
270:14 271:9	324:14 325:13	22:25 153:16	88:1,19 89:9,15	193:15 194:6
270:14 271:9 272:3 273:22	327:23 328:21	195:11 235:6	90:4 91:4,12,21	195:13 194:0
414.3 413.44	330:14 331:19	291:1 315:10	92:3,10,19,25	173.14 170:1/,43

198:17,24 199:9 288:7,14 289:15 199:17 200:2,24 290:16 291:7 293:3,10,19,22 200:16 204:16 294:1,20 295:7,12 150:20 151:4 200:22 206:15 290:7,17 297:12 200:12,21 210:8 299:24 301:7 200:16 12 11:3,8 203:1,6,22 305:23 210:16 21:13,8 203:1,6,22 305:23 210:16 22 11:3,8 203:1,6,22 305:23 210:16 22 11:3,8 203:1,6,22 305:23 210:16 22 11:3,8 203:1,6,22 305:23 230:1,6,23 305:23 230:1,6,23 305:2,1,6,2,2 30:1,3,1,7,1,8,20 230:1,4,2,2,1,3,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2					Page 379
199:17 200:2,24 290:16 291:7 293:3,10,19,22 150:20 151:4 200:16 204:16 294:1,20 295:7,12 152:3 155:7,19 205:22 206:15 296:7,17 297:12 296:7,17 297:12 296:7,17 297:12 296:7,17 297:12 151:23 155:7,19 206:12 236:1 209:12,21 210:8 299:24 301:7 182:19 184:6 47:2 50:21 301:15,17,18,20 301:1,33,11 312:1,10 213:20 214:5,23 301:16,17 307:1,25 200:14,20 213:3 312:3,11,17 313:8 240:12 421:6 242:5 237:25 239:17 231:20 214:5,23 312:3,11,17 313:8 240:12 421:6 242:5 220:1,15 221:3 313:5,14 313:5,14 331:1,10 232:22 223:13 319:3,25 320:7 308:12,25 313:13 332:21,14 222:1,14 232:1,14 233:1,13 31:9 332:3,8 342:1,25 331:1 333:12 334:14 240:20 244:2,10 240:20 244:2,10 240:20 244:2,10 240:20 244:2,10 240:20 244:2,10 240:20 244:2,10 240:20 244:2,10 255:11,17 256:1 339:1,12 340:3,18 240:12 246:8 337:11 338:6 246:12 250:1 246:8 248:17 250:1,17 256:1 250:20 266:9 256:32 257:12,24 256:23 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 257:12,24 256:22 277:12,23 26:25 277:22,23 272:3 272:21 273:5,22 276:21 277:5,22 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21 277:24 276:21	100 17 24 100 0	200 7 14 200 15	120 10 122 12	40.00.76.14	220 22 24 25
202:16 204:16	,	· · · · · · · · · · · · · · · · · · ·		·	
205:12 206:15 205:22 206:15 205:22 206:15 207:1, 20 208:17 209:12, 21 210:8 209:24 299.8, 14 209:12, 21 210:8 209:24 299.8, 14 209:12, 21 210:8 209:24 301:7 213:120 214:5, 23 300:16, 22 305:23 212:1, 20 213:3, 11 306:17 307:1, 25 213:20 214:5, 23 300:16 310:12 215:12 216:3 312:3, 11, 17 313:8 218:320 214:5, 23 313:18 314:1, 23 218:20 219:2, 17 315:5, 12 316:8 218:20 219:2, 17 315:5, 12 316:8 218:20 219:2, 17 315:5, 12 316:8 222:22 223:13 319:3, 25 320:7 224:4 225:6 321:14 322:1, 14 322:18 323:11, 17 313:8 313:13 34:1, 23 222:12 227:10, 12 223:218 323:11, 17 228:12, 21 230:1 228:12, 21 230:1 228:12, 21 230:1 236:14, 21 237:15 330:14 331:1, 10 237:20, 25 238:19 331:13 38:6 331:13 38:6 331:13 38:6 331:13 38:6 331:13 336:6 337:13 386:6 337:13 386:2 339:15 240:10,13 339:12 240:10,13 339:12 240:10,13 339:13 234:14 320:13 220:13 320:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336:13 330:13 336			7		
205:22 206:15 296:7,17 297:12 161:7,15 167:12 207:1,20 208:17 298:24 299:8,14 169:17 171:12 207:1,20 208:17 299:24 301:7 182:19 184:6 270:14,20 213:3,11 213:20 214:5,23 303:1,6,22 305:23 188:1 199:25 201:14 201:13 306:17 307:1,25 200:14 201:13 315:8 313:3,5,14 312:3,11,17 313:8 314:1,23 247:4 261:17 207:1,15 221:3 315:5,12 316:8 294:3 303:10 209:1 323:6,13 334:25 222:12 223:13 319:3,25 320:1 321:14 322:1,14 315:3,317:24 322:18 323:1,17 323:1 322:18 323:1,17 323:1 322:18 323:1,17 323:1 323:25 324:14 323:19,21 323:2 327:23 328:21 327:23 328:21 327:23 328:21 327:23 328:21 326:14 33:1,33 34:24 345:1,32 323:2 326:14 33:1,33 34:24 345:1,32 323:2 326:14 33:1,33 34:2 346:1,33 36:6 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11 338:10 337:11					
209:12,21 210:8 299:24 301:7 182:19 184:6 301:12,12 213:3,1 306:17 307:1,25 200:14 201:13 213:20 214:5,23 309:16 310:12 237:25 239:17 315:3,218:6,8 313:18 314:1,23 247:4 261:17 228:12,21 223:13 319:3,25 320:7 315:3,317:4,16 318:2,18 222:22 223:13 319:3,25 320:7 322:18 323:11,17 313:8 222:22 223:13 319:3,25 320:7 322:18 323:11,17 321:1 228:12,21 230:1 322:13 323:25 324:14 321:19,21 323:7 237:20,223 238:19 335:21,32,1326:2,9 337:20,25 238:19 335:13,213 26:2,9 337:13,338:6 331:19 332:3,8 331:19 332:3,8 331:19 332:3,8 331:19 332:3,8 331:19 332:3,8 331:19 332:3,8 331:13 334:22 334:14 340:20 244:2,10 335:21,113 339:1,12 340:3,18 341:1,12 335:1,12 340:20 244:2,10 335:21,13 334:2,19 335:1,12 340:3,18 341:1,12 36:3,24 25:29 246:8 235:11,27 256:1 256:23 257:12,24 256:20,25 266:9 268:17 269:18,25 270:14,20 271:9 271:22,23 272:3 349:4 office 193:17 oncologist 330:14 244:10 331:15 (33):1 248:2 oncologist 331:19 332:3 332:2 37:2 332:2 37:2 332:2 37:2 330:10 67:17 166:22 199:1 271:22,23 272:3 349:4 office 193:17 oncologist 37:21,216 331:23 349:4 office 193:17 oncologist 272:12 173:5,22 272:12 173:5		, , ,	· ·		
209:12.21 210:8 299:24 301:7 182:19 184:6 301:15.17,18.20		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
210:16 211:3,8 303:1,6,22 305:23 188:1 199:25 200:14 201:13 211:4 314:6 315:7 215:12 216:3 312:3,11,17 313:8 240:1 241:6 242:5 247:2 621:17 220:1,15 221:3 315:5,12 316:8 285:18 286:22 222:22 223:13 222:22 223:13 222:22 223:13 222:22 223:13 222:22 223:13 231:4 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,17 232:1 236:14 232:1,14 331:3,10 331:3,33:21 331:3,33:31:3 331:25 240:20 242:20; 233:13 232:25 324:14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,14 232:1,17 232:1 236:14,21 237:15 330:14 331:1,10 332:23,8 342:16,25 345:2 236:14,21 237:15 330:14 331:1,10 333:17 334:22 234:19 343:2,31 339:1,12 340:3,18 342:16,25 345:2 246:20 244:2,10 246:20 244:2,10 246:20 244:2,10 246:20 244:2,10 245:21 246:8 248:17 251:1,17 256:1 339:1,133:3,5,14 348:17 256:13 260:23 261:12,21 262:2,8 226:13,36:20 236:20 236:5 266:9 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 343:2,9,19 342:19 32:13 32:19 33:19 33:39 33:29 32:19 32:19 32:19 32:19 32:19 32:19 32:19 32:13 32:19 32:1	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			
212:1,20 213:3,11 306:17 307:1,25 200:14 201:13 311:4 314:6 315:7 322:20 323:2	· ·				, , ,
213:20 214:5,23 309:16 310:12 237:25 239:17 240:1 241:6 242:5 240:1 241:6 242:6 240:1 241:6 242:5 240:1 241:6 242:6 240:1 241:6 242:5 240:1 241:6 242:6 240:1 241:6 242:5 240:1 241:6 242:6 240:1 241:6 24		, ,			
215:12 216:3 312:3,11,17 313:8 240:1 241:6 242:5 290:1 327:19 331:25 313:18 314:1,23 227:22 223:13 315:5,12 316:8 294:3 303:10 308:12,25 313:13 392:25:6 231:4 322:1,14 315:3 317:24 89:2 277:2,03 16:6 232:18 232:1,1,17 232:1 230:1 322:18 323:11,17 313:8 240:12 37:15 322:18 323:11,17 315:3 317:24 89:2 296:21 227:10,12 322:18 323:11,17 319:10 320:13,18 319:3,25 320:1 323:25 324:14 315:3 317:24 89:4 198:5 30:10,14 32:9 33:19 34:3 54:16 226:21 237:12 230:1 327:23 328:21 331:13 336:24 326:13 327:22,16 236:13,15,20,22 234:19 237:20,25 238:19 331:13 38:3 343:14 345:11 240:20 244:2,10 335:2,16,25 337:3 245:21 246:8 337:11 338:6 older 339:1,12 340:3,18 251:24 252:9 341:1,13,16 217:6 217:6 221:5 23:12 246:2 222:15 30:10 67:17 256:12 262:2,8 221:15 30:10 67:17 261:12,22 272:2,3 349:4 261:12,22 272:3 349:4 262:2,20,25 266:9 17:21,24 19:5,5 263:20 264:12 276:22,23 272:3 349:4 277:22,23 272:3 349:4 277:22,23 272:3 349:4 277:22,23 272:3 349:4 277:22,23 272:3 349:4 349:4 378:13,25 279:11 279:18 280:4,18 280:4,18	-	· · · · · · · · · · · · · · · · · · ·			
217:3,25 218:6,8 218:20 219:2,17 7 231:18 218:12 21:33 315:5,12 316:8 294:3 303:10 319:3,25 320:7 321:14 322:1,14 315:3 317:24 322:12 220:1 222:10 21 223:11,17 322:1 323:25 324:14 321:19,21 323:7 227:7,20 316:6 564:68:25 73:17 232:10,21 230:1 332:13,21 326:2,9 326:11 327:12,16 323:12,324:14 323:19,21 323:7 227:7,20 316:6 564:68:25 73:17 236:14,21 237:15 330:14 331:1,10 332:13,32:2 332:13,21 326:2,9 326:11 327:12,16 226:21 246:8 337:11 338:6 335:1,12 340:3,18 341:1,3,16 251:12,21 262:2,8 323:11,3,16 339:1,12 340:3,18 345:11 240:20 244:2,10 335:1,12 340:3,18 345:11 240:20 244:2,10 343:2,9,19 255:11,17 256:1 256:20 257:12,24 256:20 252:66:9 221:5 30:10 67:17 104:15 266:22 199:1 221:5 30:10 67:17 104:15 266:22 199:1 221:5 30:10 67:17 104:15 266:22 199:1 221:32:2 274:4,19,24 276:6 276:21 277:24 271:22,23 72:2 273:5,22 274:4,19,24 276:6 276:21 277:24 278:13,25 279:11 279:18 280:4,18 280:25 282:8 280:25 282:8					*
218:20 219:2,17 220:1,15 221:3 317:4,16 318:2,18 294:3 303:10 222:22 223:13 319:3,25 320:7 308:12,25 313:13 322:223:14 321:14 322:1,14 315:3 317:24 322:18 233:11,17 322:19 23:19 231:230:1 323:25 324:14 321:19,21 323:7 324:7 325:19 236:14,21 237:15 330:14 331:1,10 332:13,38 342:16,25 345:2 330:14 331:1,10 333:17 334:22 234:19 231:22 133:2 331:19 332:3,8 342:16,25 345:2 339:1,12 340:3,18 339:1,12 340:3,18 248:17 251:1,11 339:1,12 340:3,18 341:1,13,16 339:1,12 340:3,18 341:1,13,16 341:1,15 217:6 248:17 251:1,17 256:1 349:24 344:13,25 258:13 260:23 261:12,21 262:2,8 221:15,23 263:5 263:20 264:12 265:20,25 266:9 268:17 269:18,25 270:14,20 271:9 270:12,23 272:3 270:12,23 270:3		, , ,			
220:1,15 221:3	-	· · · · · · · · · · · · · · · · · · ·		209:1	-
222:22 223:13 319:3,25 320:7 308:12,25 313:13 opening 23:18 25:6 29:12 224:4 225:6 321:14 322:1,14 315:3 317:24 89:4 198:5 30:10,14 32:9 228:12,21 230:1 322:18 323:11,17 319:10 320:13,18 32:7:7,20 316:6 56:4 68:25 73:17 231:7,17 232:1 325:13,21 326:2,9 327:23 328:21 324:7 325:19 326:11 327:12,16 227:7,20 316:6 56:4 68:25 73:17 237:20,25 238:19 331:19 332:3,8 331:19 332:3,8 332:11 324:22 334:11 335:17 334:22 334:11 338:6 335:17 339:1 335:17 339:1 335:17 339:1 85:20 113:24 108:22 111:5 248:17 251:1,11 339:1,12 340:3,18		7			*
224:4 225:6 321:14 322:1,14 315:3 317:24 89:4 198:5 30:10,14 32:9 226:12 227:10,12 322:18 323:11,17 321:19,21 323:7 227:7,20 316:6 56:4 68:25 73:17 231:7,17 232:1 325:13,21 326:2,9 324:7 325:19 324:7 325:19 226:13,15,20,22 108:22 111:5 236:14,21 237:15 330:14 331:1,10 333:17 334:22 234:19 226:13,15,20,22 108:22 111:5 237:20,25 238:19 331:19 332:3,8 342:16,25 345:2 opine 135:71 739:1 240:20 244:2,10 335:1,12 340:3,18 337:11 338:6 101:20 19:25 244:22 270:3 248:17 251:1,11 339:1,12 340:3,18 311:15 opined 238:18 244:1,21 251:24 252:9 341:1,13,16 311:15 0der opining 288:3 291:16,19 255:11,17 256:1 343:24 344:13,25 345:21 348:2 342:19 343:2,9,19 342:14:22 270:3 32:24 52:10 57:12 288:3 291:16,19 262:15,23 263:5 104:15 0ric 0ric 0ric 29:15 30:20 31:3 32:24 52:10 57:12 29:12 2309:11 29:12 2309:11 0porotunity 57:1	· · · · · · · · · · · · · · · · · · ·	, , ,		89:2	
226:21 227:10,12 322:18 323:11,17 319:10 320:13,18 operate 33:19 34:3 54:16 56:4 68:25 73:17 228:12,21 230:1 323:25 324:14 321:19,21 323:7 32:7,20 316:6 56:4 68:25 73:17 74:6 91:14 107:12 76:14 107:12 74:6 91:14 107:12 76:14 107:12 76:14 107:12 76:14 107:12 76:14 107:12 76:14 107:12 76:14 107:12 76:14 18:15 76:14 18:15 76:14 18:15 76:14 18:15:10 76:14 18:14:10 76:14 18:14:10		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	1 0	
228:12,21 230:1 323:25 324:14 321:19,21 323:7 227:7,20 316:6 56:4 68:25 73:17 231:7,17 232:1 325:13,21 326:2,9 324:7 325:19 326:11 327:12,16 226:13,15,20,22 108:22 111:5 237:20,25 238:19 331:19 332:3,8 342:16,25 345:2 234:19 108:22 111:5 131:2,22 133:2 239:15 240:10,13 333:12 334:14 345:11 345:11 345:11 355:20 113:24 142:18 159:12 245:21 246:8 337:11 338:6 311:13,16 339:1,12 340:3,18 311:15 0ddr opined 238:18 244:1,21 242:2 270:3 251:24 252:9 341:1,13,16 311:15 oddr opining 285:4,13,18 285:4,13,18 286:14,21,23,25 288:3 291:16,19 291:23 309:11 291:22 309:11 oppontunity 286:14,21,23,25 288:3 291:16,19 291:22 309:11 291:22 309:11 oppose 288:14,12,123,25 288:3 291:16,19 291:22 309:11 291:22 309:11 0ppose 226:15,23 263:5 226:15,23 263:5 22:15 30:10 67:17 166:22 199:1 32:24 52:10 57:15 250:14 290:23 74:8 78:5 250:14 250:14 290:23 74:8		· · · · · · · · · · · · · · · · · · ·		89:4 198:5	
231:7,17 232:1 234:6 235:21 236:14,21 237:15 236:14,21 237:15 237:20,25 238:19 239:15 240:10,13 249:20 244:2,10 249:20 244:2,10 248:17 251:1,11 251:24 252:9 253:18 254:4,9 255:11,17 256:1 256:23 257:12,24 258:13 260:23 261:12,21 262:2,8 262:15,23 263:5 263:20 264:12 265:20,25 266:9 276:21 277:24 278:13,25 279:11 279:18 280:4,18 280:25 282:8 283:10,24 284:11 279:18 280:4,18 280:25 282:8 283:10,24 284:11 284:18 285:15 232:13 236:23 232:19 232:13,15,20,22 234:19 232:13,15,20,22 234:19 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:19 236:13,15,20,22 236:13,15,20,22 236:19 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,15,20,22 236:13,20,23 236:13,20,23 24:19 238:18,241:1,21 238:18,241:1,21 24:12,23,25 250:113,24 26:26 26:20,25 26:19 26:20,25 26:19 27:20,23 26:21 27:21,24 19:5,5 27:21,24 19:5,5 27:21,24 19:5,5 27:21,24 19:5,5 27:21,24 19:5,5 27:21,24 19:15 28:21,24 22:10,25 28:15,23:1,24:15 29:12,24 22:10,25 29:13,20:12,20 29:13,20:12,20		· · · · · · · · · · · · · · · · · · ·		operate	33:19 34:3 54:16
234:6 235:21 236:14,21 237:15 237:20,25 238:19 239:15 240:10,13 240:20 244:2,10 245:21 246:8 248:17 251:1,11 251:24 252:9 253:18 254:4,9 342:19 343:2,9,19 255:11,17 256:1 256:23 257:12,24 258:13 260:23 261:12,21 262:2,8 262:15,23 263:5 263:17 269:18,25 270:14,20 271:9 271:22,23 272:3 272:21 273:5,22 274:4,19,24 276:6 276:21 277:24 278:13,25 279:11 279:18 280:4,18 283:10,24 284:11 279:18 280:4,18 283:10,24 284:11 279:18 280:4,18 283:10,24 284:11 279:18 280:4,18 283:10,24 284:11 279:18 280:4,18 283:10,24 284:11 279:18 280:4,18 283:10,24 284:11 284:18 285:15 237:23 328:21 330:14 331:1,10 333:17 334:22 342:16,25 345:2 342:16,25 345:2 345:10,23 345:11 345:10 333:17 334:22 342:16,25 345:2 345:10,3 345:11 345:10 333:17 334:22 345:19 323:10,24 24:10 333:17 334:22 345:19 323:10,25 345:2 345:10 333:17 334:22 345:19 326:11 3,15,20,22 234:19 324:10 323:10,25 345:2 345:10 331:19 323:10 326:11 327:12,16 333:17 334:22 345:10 345:11 345:10 333:17 334:22 345:10 345:11 345:10 339:1,12 340:3,18 331:13 32:4 345:11 345:11 345:10 333:17 334:22 345:19 326:113,15,20,22 234:19 323:10,24 238:18 244:1,21 24:22 270:3 244:22 270:3 244:22 270:3 244:22 270:3 2217:6 0pined 0pined 238:18 244:1,21 2217:6 2217:6 2217:6 2215 23:1 24:15 2215 23:1	228:12,21 230:1	323:25 324:14	321:19,21 323:7	227:7,20 316:6	56:4 68:25 73:17
236:14,21 237:15 237:20,25 238:19 239:15 240:10,13 230:14 331:1332:38:14 240:20 244:2,10 245:21 246:8 248:17 251:1,11 251:24 252:9 253:18 254:4,9 255:11,17 256:1 256:23 257:12,24 258:13 260:23 261:12,21 262:2,8 262:15,23 263:5 263:20 264:12 268:17 269:18,25 270:14,20 271:9 268:17 269:18,25 270:14,20 271:9 278:13,25 279:11 279:18 280:4,18 278:13,25 279:11 279:18 280:4,18 278:13,25 278:1 279:18 280:4,18 288:10,24 284:11 279:18 280:4,18 288:10,24 284:11 279:18 280:4,18 288:10,24 284:11 284:18 285:15 233:14 331:1,10 333:17 334:22 342:16,25 345:2 342:16,25 345:2 342:16,25 345:2 342:16,25 345:2 345:10 342:16,25 345:2 345:10 342:11 342:11,13,14 345:11 341:11,13,14 345:11 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11,13,16 342:11 342:12 340:3,18 341:1,13,16 342:11 342:11 342:12 340:3,18 342:16,25 345:2 345:10 345:11 345:11 345:11 345:11 342:113:24 342:14,12,1 24:12,2,3,25 34:19 0pine 85:20 113:24 0pined 238:18 244:1,21 244:2 270:3 288:18,244:1,21 244:2 270:3 288:3 291:16,19 22:15 23:1 24:15 24:17 25:2,1 24:17 25:2,2 24:17 25:2,2 24:17 25:2,2 34:19 0pine 85:20 113:24 0pine 23:18 244:12,21 244:22 270:3 285:4,13,18 286:14,21,23,25 0pining 217:6 0pining 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:12 22:15 23:1 24:15 24:17 25:2,2 24:12 22:15 23:1 24:15 24:17 25:2,2 24:12 22:15 23:1 24:15 24:17 25:2,2 24:12 22:15 23:1 24:15 24:17 25:2,2 24:12 22:15 23:1 24:15 24:17 25:2,2 24:12 22:15 23:1 24:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 25:24 22:10 57:15 2	231:7,17 232:1	325:13,21 326:2,9	324:7 325:19	operated	74:6 91:14 107:12
237:20,25 238:19 239:15 240:10,13 240:20 244:2,10 245:21 246:8 248:17 251:1,11 251:24 252:9 253:18 254:4,9 255:11,17 256:1 256:23 257:12,24 258:13 260:23 261:12,21 262:2,8 262:15,23 263:5 263:20 264:12 265:20,25 266:9 268:17 269:18,25 270:14,20 271:9 271:22,23 272:3 272:21 273:5,22 274:4,19,24 276:6 276:21 277:24 278:13,25 279:11 279:18 280:4,18 280:25 282:8 283:10,24 284:11 284:18 288:15 231:19 332:3,8 342:16,25 345:2 345:21 345:12 345:11 345:11 345:11 345:11 345:12 345:11 345:11 345:11 345:11 345:12 345:12 345:11 345:13 345:14 345:14 345:13 345:13 345:13 345:13 345:13 345:13 345:13 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:14 345:1	234:6 235:21	327:23 328:21	326:11 327:12,16	226:13,15,20,22	108:22 111:5
239:15 240:10,13	236:14,21 237:15	330:14 331:1,10	333:17 334:22	234:19	131:2,22 133:2
240:20 244:2,10 245:21 246:8 248:17 251:1,11 251:24 252:9 253:18 254:4,9 255:11,17 256:1 256:23 257:12,24 262:15,23 263:5 263:20 264:12 265:20,25 266:9 268:17 269:18,25 270:14,20 271:9 270:14,20 271:9 271:22,23 272:3 272:21 273:5,22 274:4,19,24 276:6 276:21 277:24 278:13,25 279:11 279:18 280:4,18 280:25 282:8 283:10,24 284:11 284:18 285:15 284:18 285:15 285:21,13 38:6 337:11 338:6 101:20 older 311:15 opining 217:6 opining 217:6 opinion 217:20 244:22 270:3 244:22 270:3 261:12,0 244:22 270:3 245:21 270:3 245:21 270:3 245:21 270:3 245:21 270:3 245:21 270:3 245:21 270:3 245:22 270:3 246:22 270:3 246:22 270:3 246:22 270:3 246:22 270:3 285:14,13,18 217:6 opinion 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 20:13 30:20 31:3 32:24 52:10 57:15 468:18 83:10 72:23 74:8 78:5 78:19,24 79:10 80:9,15 81:7,20 132:24 155:24 156:20 165:16 323:23 325:25 0roal 11:11 11:14 114:5 0range 37:8 313:23 27:21 14:13 14:11 156:20 165:16 37:8 313:23 37:11 338:6 0lder 311:15 0pining 217:6 0pining 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 30:20 31:3 32:24 52:10 57:15 47:14 185:10,23 25:014 0ppose 156:21 27:27 156:20 165:16 32:22 47:4,19,24 276:6 17:21,24 19:5,5 35:13 152:8 0roclogist 32:24 52:10 57:15 47:14 185:10,23 25:14 40:12 11:14 11:15 0range 37:8 313:23 0reardon 238:14:21,23,25 24:12 270:3 244:22 270:3 244:22 270:3 244:22 270:3 244:22 270:3 244:22 270:3 244:22 270:3 24:17 25:2,7 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 23:1 24:15 22:15 20:10 57:15 22:10 57:15 22:10 57:15 22:10 57:15 22:10 57:15 22:10 57:15 22:10 57:15 22:10 57:15 22:10 57:15 22:10 57:15 22:10 5	237:20,25 238:19	331:19 332:3,8	342:16,25 345:2	opine	135:17 139:1
245:21 246:8 337:11 338:6 101:20 i91:25 244:22 270:3 285:4,13,18 285:4,13,18 285:4,13,18 285:4,13,18 285:4,13,18 285:4,13,18 286:14,21,23,25 286:14,21,23,25 286:14,21,23,25 286:14,21,23,25 286:14,21,23,25 288:3 291:16,19 291:22 309:11 291:22 309:12 291:22 309:12 291:22 309:12	239:15 240:10,13	333:12 334:14	345:11	85:20 113:24	142:18 159:12
248:17 251:1,11 339:1,12 340:3,18 older opining 285:4,13,18 286:14,21,23,25 286:14,21,23,25 286:14,21,23,25 288:3 291:16,19 291:22 309:11 291:22 309	240:20 244:2,10	335:2,16,25 337:3	old	opined	238:18 244:1,21
251:24 252:9 253:18 254:4,9 255:11,17 256:1 256:23 257:12,24 258:13 260:23 261:12,21 262:2,8 262:15,23 263:5 263:20 264:12 265:20,25 266:9 268:17 269:18,25 270:14,20 271:9 271:22,23 272:3 272:21 273:5,22 274:4,19,24 276:6 276:21 277:24 278:13,25 279:11 279:18 280:4,18 280:25 282:8 283:10,24 284:11 284:18 285:15 311:15 omitted 178:9 omce 178:9 omce 178:9 omce 178:9 omce 178:9 omce 19:18 68:23 104:19 166:22 199:1 203:11 248:22 0ncologist 25:20 42:3 61:17 68:18 83:10 193:17 0ncologist 87:20 104:11,15 323:23 325:25 0ral 104:15 0range 37:8 313:23 0reardon 29:12 309:11 0pportunity 57:14 185:10,23 250:14 0ppose 156:9,11 0pposed 156:20 165:16 32:24 155:24 156:20 165:16 32:24 155:24 156:20 165:16 32:21 27:6 0pinion 22:15 23:1 24:15 24:17 25:2,7 29:15 30:20 31:3 32:24 52:10 57:15 0pposed 156:9,11 0pposed 132:24 155:24 156:20 165:16 32:24 155:24 156:20 165:16 32:24 155:24 156:20 165:16 32:23 32:23 325:25 0ral 11:14 114:15 0range 37:8 313:23 0reardon 29:26:14,21,23,25 288:3 291:16,19 29:12 309:11 0pportunity 57:14 185:10,23 250:14 0ppose 156:9,11 0pposed 156:9,11 156:20 165:16 132:24 155:24 156:20 165:16 132:24 155:24 156:20 165:16 132:24 155:24 156:20 165:16 132:24 155:24 156:20 165:16 132:24 155:24 156:20 165:16 132:24 15:20 132:	245:21 246:8	337:11 338:6	101:20	191:25	244:22 270:3
253:18 254:4,9 342:19 343:2,9,19 omitted opinion 228:3 291:16,19 255:11,17 256:1 343:24 344:13,25 345:9,23 346:6 once 178:9 22:15 23:1 24:15 291:22 309:11 258:13 260:23 offer 19:18 68:23 104:19 29:15 30:20 31:3 32:24 52:10 57:15 0pportunity 262:15,23 263:5 104:15 203:11 248:22 67:13,18 68:1,13 0ppose 265:20,25 266:9 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 0ppose 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 349:4 oncologists 87:20 104:11,15 323:23 325:25 274:4,19,24 276:6 35:13 152:8 official 84:15,18,23 104:25 104:16 107:25 108:14 109:1,2 279:18 280:4,18 0k 15:16 339:2 67:16 95:15 119:13 121:13,14 349:2 283:10,24 284:11 39:5,8,17 56:10 0nepage 14:21 142:10,15 37:8 313:23 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 29 8:16	248:17 251:1,11	339:1,12 340:3,18	older	opining	285:4,13,18
255:11,17 256:1 343:24 344:13,25 178:9 22:15 23:1 24:15 291:22 309:11 256:23 257:12,24 345:9,23 346:6 once 19:18 68:23 104:19 29:15 30:20 31:3 57:14 185:10,23 261:12,21 262:2,8 22:15 30:10 67:17 166:22 199:1 32:24 52:10 57:15 250:14 262:15,23 263:5 104:15 203:11 248:22 67:13,18 68:1,13 oppose 265:20,25 266:9 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 oppose 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 officer 193:17 83:6 86:24 87:17 156:20 165:16 271:22,23 272:3 349:4 oncologists 84:15,18,23 104:25 104:16 107:25 132:24 155:24 276:21 277:24 oh 115:16 339:2 oncology 19:14 24:1 46:13 111:14 114:5 1:11 279:18 280:4,18 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 143:3 148:17 29 8:16	251:24 252:9	341:1,13,16	311:15	217:6	286:14,21,23,25
256:23 257:12,24 345:9,23 346:6 once 24:17 25:2,7 opportunity 258:13 260:23 261:12,21 262:2,8 22:15 30:10 67:17 19:18 68:23 104:19 32:24 52:10 57:15 250:14 262:15,23 263:5 104:15 203:11 248:22 67:13,18 68:1,13 oppose 265:20,25 266:9 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 oppose 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 349:4 oncologists 87:20 104:11,15 323:23 325:25 274:4,19,24 276:6 35:13 152:8 oncology 108:14 109:1,2 1:11 276:21 277:24 oh 19:14 24:1 46:13 11:14 11:5 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 349:2 283:10,24 284:11 39:5,8,17 56:10 onepage 14:21 142:10,15 37:8 313:23 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 29 8:16	253:18 254:4,9	342:19 343:2,9,19	omitted	opinion	288:3 291:16,19
258:13 260:23 offer 19:18 68:23 104:19 29:15 30:20 31:3 57:14 185:10,23 261:12,21 262:2,8 22:15 30:10 67:17 166:22 199:1 32:24 52:10 57:15 250:14 262:15,23 263:5 104:15 203:11 248:22 67:13,18 68:1,13 oppose 263:20 264:12 265:20,25 266:9 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 oppose 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 349:4 oncologists 87:20 104:11,15 323:23 325:25 274:4,19,24 276:6 35:13 152:8 oncology 104:16 107:25 oral 276:21 277:24 115:16 339:2 67:16 95:15 119:13 121:13,14 127:23 131:6,16 279:18 280:4,18 12:19 20:16 22:7 25:311 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	255:11,17 256:1	343:24 344:13,25	178:9	22:15 23:1 24:15	291:22 309:11
261:12,21 262:2,8 22:15 30:10 67:17 166:22 199:1 32:24 52:10 57:15 250:14 262:15,23 263:5 104:15 203:11 248:22 67:13,18 68:1,13 oppose 263:20 264:12 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 opposed 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 349:4 oncologists 87:20 104:11,15 323:23 325:25 272:21 273:5,22 official 84:15,18,23 104:25 104:16 107:25 oral 276:21 277:24 35:13 152:8 oncology 108:14 109:1,2 1:11 278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 0kay 105:18 252:11 127:23 131:6,16 0rder 283:10,24 284:11 39:5,8,17 56:10 0nepage 141:21 142:10,15 37:8 313:23 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	256:23 257:12,24	345:9,23 346:6	once	24:17 25:2,7	opportunity
262:15,23 263:5 104:15 203:11 248:22 67:13,18 68:1,13 oppose 263:20 264:12 office 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 opposed 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 349:4 193:17 83:6 86:24 87:17 156:20 165:16 271:22,23 272:3 349:4 oncologists 87:20 104:11,15 323:23 325:25 274:4,19,24 276:6 35:13 152:8 oncology 108:14 109:1,2 1:11 278:13,25 279:11 15:16 339:2 67:16 95:15 119:13 121:13,14 15:13 149:1 279:18 280:4,18 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 0nepage 141:21 142:10,15 0reardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	258:13 260:23	offer	19:18 68:23 104:19	29:15 30:20 31:3	57:14 185:10,23
263:20 264:12 office oncologist 72:23 74:8 78:5 156:9,11 265:20,25 266:9 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 opposed 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 349:4 oncologists 87:20 104:11,15 323:23 325:25 272:21 273:5,22 official 84:15,18,23 104:25 104:16 107:25 oral 276:21 277:24 35:13 152:8 oncology 19:14 24:1 46:13 11:14 114:5 orange 279:18 280:4,18 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 72:23 74:8 78:5 0reardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	261:12,21 262:2,8	22:15 30:10 67:17	166:22 199:1	32:24 52:10 57:15	250:14
265:20,25 266:9 17:21,24 19:5,5 25:20 42:3 61:17 78:19,24 79:10 opposed 268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 349:4 oncologists 87:20 104:11,15 323:23 325:25 272:21 273:5,22 official 84:15,18,23 104:25 104:16 107:25 oral 274:4,19,24 276:6 35:13 152:8 oncology 108:14 109:1,2 1:11 278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 0kay 105:18 252:11 127:23 131:6,16 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	262:15,23 263:5	104:15	203:11 248:22	67:13,18 68:1,13	oppose
268:17 269:18,25 39:7,12 68:18 83:10 80:9,15 81:7,20 132:24 155:24 270:14,20 271:9 officer 193:17 83:6 86:24 87:17 156:20 165:16 271:22,23 272:3 349:4 oncologists 87:20 104:11,15 323:23 325:25 272:21 273:5,22 official 35:13 152:8 104:16 107:25 oral 276:21 277:24 oh 19:14 24:1 46:13 111:14 114:5 orange 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	263:20 264:12	office	oncologist	72:23 74:8 78:5	156:9,11
270:14,20 271:9 officer 193:17 83:6 86:24 87:17 156:20 165:16 271:22,23 272:3 349:4 oncologists 87:20 104:11,15 323:23 325:25 272:21 273:5,22 official 84:15,18,23 104:25 104:16 107:25 oral 276:21 277:24 oh 19:14 24:1 46:13 11:14 114:5 orange 278:13,25 279:11 15:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	265:20,25 266:9	17:21,24 19:5,5	25:20 42:3 61:17	78:19,24 79:10	opposed
271:22,23 272:3 349:4 oncologists 87:20 104:11,15 323:23 325:25 272:21 273:5,22 official 84:15,18,23 104:25 104:16 107:25 oral 274:4,19,24 276:6 35:13 152:8 oncology 108:14 109:1,2 1:11 276:21 277:24 oh 19:14 24:1 46:13 111:14 114:5 orange 278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	268:17 269:18,25	39:7,12	68:18 83:10	80:9,15 81:7,20	132:24 155:24
272:21 273:5,22 official 84:15,18,23 104:25 104:16 107:25 oral 274:4,19,24 276:6 35:13 152:8 oncology 108:14 109:1,2 1:11 276:21 277:24 oh 19:14 24:1 46:13 111:14 114:5 orange 278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	270:14,20 271:9	officer	193:17	83:6 86:24 87:17	156:20 165:16
274:4,19,24 276:6 35:13 152:8 oncology 108:14 109:1,2 1:11 276:21 277:24 oh 19:14 24:1 46:13 111:14 114:5 orange 278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	271:22,23 272:3	349:4	oncologists	87:20 104:11,15	323:23 325:25
276:21 277:24 oh 19:14 24:1 46:13 111:14 114:5 orange 278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	272:21 273:5,22	official	84:15,18,23 104:25	104:16 107:25	oral
278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	274:4,19,24 276:6	35:13 152:8	oncology	108:14 109:1,2	1:11
278:13,25 279:11 115:16 339:2 67:16 95:15 119:13 121:13,14 349:2 279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	276:21 277:24	oh	19:14 24:1 46:13	111:14 114:5	orange
279:18 280:4,18 okay 105:18 252:11 127:23 131:6,16 order 280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	278:13,25 279:11	115:16 339:2	67:16 95:15		
280:25 282:8 12:19 20:16 22:7 253:11 264:11 135:13 140:11 37:8 313:23 283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16	· ·			· ·	
283:10,24 284:11 39:5,8,17 56:10 onepage 141:21 142:10,15 oreardon 284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16		•		,	
284:18 285:15 66:4 72:13 89:22 124:16 143:3 148:17 2:9 8:16					
	-		1 0	,	
		<u> </u>	<u> </u>	<u> </u>	l

				rage 300
330:1	92:1,9,12,13,17	194:24 195:6,13	313:16 315:16	178:5
organization	92:24 93:5,17	195:20,25 196:5,9	316:6,13,17 318:7	overlooked
105:13,17 106:14	94:1,13,16,20	196:11,12,13,15	319:14,15,18,19	178:4
organizations	95:1,7,12,17,21	196:19,22 197:6	320:5,19,25 321:7	oversight
105:8 107:7 110:16	96:7 97:7,9,10,12	197:12 214:13,21	320:3,17,23	26:18,19
294:19	97:15,25 99:2,6	215:10 217:11	322:12 323:10,22	ovid
	100:8,21 101:10	219:7,12,15,20	324:9,12 325:24	6:7
organs 210:25 211:15,16	101:24 102:11,18	220:7,13,18,19,19	324.9,12 323.24	ovulates
210.23 211.13,16	101:24 102:11,18	220:23 221:6	320.7 328.1 329:11 330:25	320:10
	102.23 103.9,19	220.23 221.0 222:14,20,24		
origin			331:8,12,14,21	ovulation
92:1 250:3	105:2,7 106:12	224:17 225:15,18	332:10 333:9,23	320:10
original	107:14,19,21,25	226:14,19 227:8	336:10 338:13	oxidative
66:10	108:5,19 109:6,24	227:21 228:5,9	343:13,18,21	252:19,22 258:2,6
originate	110:2,13 111:10	229:19 230:24	344:3,12,18,23	258:9,20,24 259:1
320:15	112:1 113:4 115:5	232:25 233:3,7,11	345:20 346:1	259:5,7,11 269:13
originated	116:18 117:21	233:21 234:2,16	ovaries	oxygen
13:25	118:1 119:24	235:14,24 236:2,3	86:22 87:8 88:25	258:3
oropharyngeal	121:18,24,25	236:6,17 237:5,12	89:6 90:3 97:21	oxytocin
193:20	122:9 123:7	237:23 238:6	188:13,24 189:10	203:18
outcome	127:21 128:5,7	239:11 241:19,25	189:17,25 197:21	P
289:10 349:18	129:6,19 130:11	242:10,13,15,19	198:23 199:8,16	
outside	131:3,7,8,10,18	242:24 243:13,16	200:8,23 207:18	p
38:1 71:15 75:21	131:21,23,25	244:5 245:5,10	208:25 209:17	2:1,1,3 3:1,1 8:1
89:3 98:13 114:7	132:10,13,16,22	249:6 250:4,8,9	210:4,15,21,22	177:20,21,21,23
296:4 327:14	133:4,5,21,24	250:17,25 252:20	212:9 216:19	259:21,22,22,24
328:9	134:2,9,15,15	255:21 257:5,11	217:8 218:23	308:2,3,3,5 343:4
ov	135:4,5 141:14,25	259:8,14 262:12	219:14 220:6	343:5,5,7 346:19
5:4	143:9,19 144:9,15	262:18,21 263:10	229:11,15 328:12	346:20
ovarian	145:1,17 146:16	263:19 264:17	ovary	p53
5:13,15,18 6:3,5,8	146:21 148:23	265:11 270:7	88:13 132:21 198:7	5:12 99:2,5 100:7
6:11,14,17,21 7:4	150:10,14,16,19	272:20 277:23	199:4 207:8	250:17,24 251:4
7:10 22:16,23	151:7,21 153:9,9	278:3,7,21,24	211:25 212:2	255:10 318:9
23:9,20 24:2,18	153:17,23,25	279:5,7,14,16,24	216:24 232:7,20	paduda
25:2,10,22 37:22	154:13,22 155:13	280:14,23 281:13	233:1,10,15	27:10 28:3
38:3,15,17 41:12	157:18,20,24	281:18,23 282:19	234:12,23 235:4	page
42:13 43:4 45:20	158:8,9,15,24	282:24 283:3,23	236:13,17 256:3	4:2 11:16 33:15,15
47:1,7,13,24 52:4	160:15,19,24	285:10 287:10	281:19 291:10	37:11,14,25 38:20
52:12,24 67:9,14	161:9,18,23 162:5	288:6,17,23 289:7	313:15 318:11	47:22 73:9,10,11
68:13 78:6,8,12	162:12,15,21	289:10,14,19,20	320:17 328:16,16	74:1 77:15 100:5
78:15,19,21,22,23	163:1,16,18 164:3	290:4,13,22,25	328:20 329:4,6,8	101:16 102:19,20
79:10 80:3,5,8,9	164:5 166:16	291:6 292:9	330:6,13,19,20	102:20 111:17
80:21 81:11,17	168:25 169:3,20	294:12,23 302:24	334:13,20	112:14 115:13,14
82:14,17 83:17	173:11 174:5,19	303:19 304:13,21	overall	115:20 116:12,22
84:15,25 85:21	174:23 175:3	309:14,21,22,24	62:8 74:8 225:13	116:23 117:2,4
86:4,7,14 87:2,17	179:4 182:4	310:2,11 311:11	overlap	122:24,24 133:18
90:18,19,25 91:3	190:25 191:9	311:13,18,24	137:24 186:12	136:17,23 137:9
91:7,10,16,20	194:1,5,12,19,21	312:9,10,23 313:7	overlook	141:5 143:8 147:6
			<u> </u>	<u> </u>

				Page 381
147.14 15 155.46	101.5 100.16	m autiala	201.25	
147:14,15 155:4,6	191:5 198:16	particle	281:25	peer
160:12,13,14	217:17,22 229:12	6:22 198:13,19	pathologist	149:25 253:11,12
169:15 170:13,19	229:16 230:4,8	202:2 203:10	317:10,20 318:5	335:19 336:4
170:20 171:5	237:2 238:11	205:12,17 229:2,4	pathologists	peerreviewed
173:23 177:25	240:3 243:25	229:7 247:18	228:14 318:12,15	71:21 72:2,7,8,12
178:10,16 182:8	249:9 252:10,11	328:19 334:12	patient	72:15 81:23 90:6
190:17,18 191:5	252:15,17,19,21	particles	95:25 96:2 97:11	129:18 130:10
199:19 201:17,18	280:11 302:13	87:2 89:4 198:16	97:18 98:13 156:3	296:15 300:24
214:2,22 217:13	papers	202:12,13 203:3,5	156:24 189:1	335:17
222:10 229:23	17:6 24:9 52:17	203:19,22 204:23	197:3 206:10	peers
230:12,13 232:12	53:17 86:16	205:19 208:21	225:8,16 233:11	45:14 46:10,10,12
232:16 235:10	140:19 146:2	210:24 211:14	234:16,19 285:8	46:19,23
237:19 239:3,25	181:5 240:4,6	218:18,22 219:1,7	314:8 320:9	pegged
241:7,9 242:7	280:9 309:10	229:15 247:23	329:23 344:23	61:17
246:1,22 248:2	papillomavirus	269:20 327:14,17	patientfacing	pelvic
249:7,25 264:20	193:19	328:9,11 334:18	107:18	7:3 79:3 80:7 208:9
266:13 267:2	paragraph	334:19	patients	237:3 242:25
282:2 297:23,25	102:19 117:9	particular	20:18 45:24 46:6	243:3,12,15 244:4
298:7 303:1,3,5	143:12 155:6,10	24:20 39:12 82:9	90:24 94:13,16,19	263:22,23 329:10
304:7,17 305:20	170:13,21 171:6	100:25 109:11	94:25 97:3,15	329:15,19
305:23,24 306:7	199:21 201:17	119:10,11 153:20	98:3,10,14,17,21	pelvis
306:22 321:1	229:24 239:5	175:14 219:8	98:24 118:21	316:20
341:22 348:5	241:8,9,13 242:4	238:8 243:10	156:2,23 166:21	penninkilampi
pages	242:8 247:8 249:7	278:23 281:8	175:4,13 176:1,1	6:12 48:16 146:7
32:19 40:13 349:10	298:7 305:21	335:21 336:16	176:12,24 181:10	148:3,7,11,20
paid	parallel	344:23	189:1 197:3 206:2	149:2,6,10,14
253:1,16	52:9	particularly	206:4 208:10	150:17,24 151:5
pain	parents	186:2 313:4	209:4,10 225:17	152:25 154:6,11
315:23,24	98:15	particulate	226:14,18,23	154:19 182:2
pancreatic	park	198:22 199:7	227:8,21 228:4,5	people
260:10,21	2:20	200:17 338:18,25	228:8 229:19	45:16,18,22 114:24
panel	part	340:1	233:21 239:9	176:4,5,8,11
248:12	19:15 26:18 32:11	particulates	310:10 311:23	percent
paper	41:10 60:23 62:12	339:3	326:6 327:9 344:2	28:22,23 60:3,8,8
31:23 33:11 38:24	62:17 74:8 96:2	parties	345:25	60:11 62:4 160:25
40:22 47:7,12	101:3 103:18	349:14,17	paula	161:10,15,20
48:3,8,21,25 49:6	104:19 120:1	parts	2:11 8:15	162:4,6,17,21,22
49:7,9,20,24,24	121:4 171:6 173:6	159:7	pbrown	162:25 163:2,4
50:13 52:22,22	203:12 217:12	passage	2:11	224:15,15 226:23
77:2,6,9,15 99:13	252:6 254:17,20	327:13	pd1	231:13 320:24
99:16,22 101:1,1	258:3 264:20	passed	93:20	321:7 322:7 323:4
101:5,20 137:2,6	284:25 301:12	15:14		324:2 332:23
139:13 142:7,14	303:5 317:15		pdq 5:19 106:3,6	
142:16,20 144:18	332:17 335:19	pathogenesis 235:13 252:20	ŕ	333:2,18
147:1 152:12	338:20		pecan 3:4	percentage
		pathologic 281:15		76:5 160:23 161:8
170:12 171:3	participants		pediatrician	161:17 333:25
183:11,18 190:11	160:9 167:1,14	pathologically	46:17	334:18,20
				•

				rage 302
percentile	281:12,23 318:11	pickled	49:13 50:7,25	point
62:3	329:17	127:18	56:21 57:17 58:7	25:14 84:17 95:22
perfectly	peritoneum	pictures	58:22 59:15 65:14	95:23 104:6
15:3 266:23	281:19	269:19	66:24 67:10 68:12	107:22,23,23
performed	permanent	pid	68:19 69:22,25	129:18 130:10
271:11	225:24	242:11,13,17,25	74:17,24 75:13,15	156:1,23 168:12
perineal	person	243:6,11 244:13	76:15 102:14	251:12 258:14
6:3,10,21 7:9 22:23	45:15 58:12	263:25	103:13 253:2	263:9 275:11
23:20 67:13 76:20	personal	piece	271:20,24 275:13	284:1 303:15
77:12,23 78:2	3:12 8:22 72:9,13	38:24 143:2 301:15	295:18 334:25	304:1,3 324:18
95:20 96:7 107:20	77:11 83:10	pier	335:9,13 343:8	policies
111:18,25 113:4	112:20 114:2	54:11 70:24 71:1	plan	335:21
123:5 129:4 133:3	136:15 270:24	71:13 271:16	60:22 61:1,12	policy
141:13 142:1	271:1,3 309:11	272:11 273:15	planet	335:24
143:20 146:21	personalized	274:12	323:23 324:1	polymorphisms
148:23 153:23	94:16	piers	plate	256:10,12
167:25 169:2,13	personally	273:2	337:14,17	pool
169:20,21,24	187:23 273:21,23	pile	platy	326:15 327:21
174:20,23 179:4	302:14	15:21 88:11 116:1	229:4 268:25 269:5	328:5,11
197:21 198:2	persons	300:12	284:25 288:18	pooled
199:15 200:21	21:5,9 312:23	pills	plausibility	138:21 178:17,19
204:3,5,13 209:4	perspective	79:2 320:5,11,20	193:11,23 194:4	179:7,12,23 180:4
209:11,16 210:4	35:23	320:24	232:17	180:8,14 186:9
215:4 216:1,7	perspectives	pine	plausible	pooling
232:24 233:7	47:9	249:17	154:13 217:7	140:18
256:7 283:15,18	petition	pinkerton	235:23	poorly
284:7 302:24	246:13	69:11,16,21	play	144:11 145:11,12
303:18 304:13,21	petitions	pittsboro	238:5 241:18	332:1,1,7,7,14,14
332:10	117:13	1:17	242:23	population
perineum	petri	pizzirusso	plays	176:20 260:13
22:18 86:22 87:2,8	339:25	27:6 28:3 63:13,17	242:9	322:24
89:5 198:22 199:7	ph	64:24	please	populationbased
215:1 225:14	1:24	place	8:8 9:12 10:11	138:22 164:15
234:2 313:15	phd	116:10 148:11	37:20 41:15	174:9,13 175:19
period	4:22	238:8 339:21	127:25 128:2	176:3,16,25
24:23,24 51:11,13	phrase	placed	142:13 147:14	237:12
52:4,9,10,23,24	183:25	47:1 125:24 148:15	151:3 158:6	populations
168:6,9 192:16,18	physician	329:17 336:9	159:17 171:25	131:13 176:14
215:15 233:1	27:3 46:17 61:14	places	218:1 233:22	180:18,21 181:4
295:6 314:5	105:21 108:15	219:25 307:24	247:3 293:15	181:13,19,25
periodically	110:9 335:14	plaintiff	341:19	portion
24:9	physicians	28:4,22 253:16	pllc	287:6 299:2
periods	108:4 110:19 115:7	273:4	3:3	portis
191:10	physiology	plaintiffs	plot	2:3
peritoneal	258:4	2:2 8:12,14,16	174:2 199:20	pose
5:19 111:10 113:4	picked	11:13,20 23:14	plus	287:3
226:24 227:15	18:14 302:8	25:5 39:25 49:10	31:5 59:22	posed
	ı	l	l	I

				rage 303
56:21	1:5 6:14 7:3 8:7	207:5 208:2,16,19	powdering	53:11 68:4 277:2
position	9:15 16:24 18:21	209:16 210:3	313:5	preparing
206:4,19 312:21	20:5 22:12,15,17	211:20 212:23	powders	18:17 58:20 59:2
positions	22:23 23:8,19	214:14,25 215:4	217:16 218:14	104:14
204:19 206:7	24:2,6,17 25:2,10	215:11,14,17,24	283:21 323:3,3	preponderance
positive	25:21 29:1,17,18	216:8,22 217:1,7	power	132:20
116:20 117:24	29:20 42:22 43:18	217:16 218:15	165:6 170:6,10,15	presence
119:23 120:6	43:23 47:24 52:6	219:10,12,16,22	171:15,20 172:8	258:9,20 260:5
144:25 147:8	57:18 60:1,1	219:23 220:5	172:21 195:22	272:1,23
248:6 302:23	65:14 66:19,23	222:12,19 223:2,4	342:4	present
303:17 305:4	67:13 68:16 69:8	223:5,6,11,15,18	powered	146:5 171:9 261:25
336:17 337:1	69:9 70:17 76:20	223:21,24 224:3,5	169:5 172:3,5,18	315:16
possession	77:4,12,23 78:2,5	224:9,12,15,24,25	197:16	presentation
11:21 12:2 13:12	78:11,20,20,22	225:2,9,14 229:6	practice	95:6
14:1,3,20 15:13	79:21 80:3,22	229:7 230:22	27:5 42:18 60:22	presented
possibility	81:11,17 82:13,16	232:6,19 233:9,14	67:5 71:15 84:3	100:24
177:14 217:10	83:17 84:15,24	234:1,11,22	94:12,19,25	president
possible	85:20 86:7,14,18	235:24 236:2	108:23,24 134:4	67:16,19,21 106:25
10:14 200:9 224:18	95:7,12,16,21	237:3,21 246:3	332:17	pressed
261:6,20,22,24	96:7 97:4,12,16	247:23 249:5,20	practices	206:21 207:12
262:3,10 333:2	97:19,21 100:13	251:9,16,22	1:6	pressing
340:20	100:22 102:15	255:21 256:3	practicing	208:14
possibly	103:4 104:4	257:7 267:15,17	104:25	presume
124:2 126:12 127:8	107:21 108:1	267:21 268:9	precautionary	147:4 198:11
197:14 262:12	109:23 113:3,4	270:4,6,10,18,18	296:24 297:2,10	255:19 275:5
279:6	114:11,21 115:4,5	272:2,8,23 274:13	298:5,9,11 299:2	340:20 341:3
posted	116:18 126:10,12	274:18,23 275:4	299:5	pretty
107:24	126:23 128:8	275:16,20 276:5	preceding	41:5 84:1 294:6
postits	129:3 131:12,21	276:15,20,23	60:9	306:21 320:23
48:16	132:9 133:2,10,21	277:1,7,13 285:10	precise	preventative
pot	135:3 143:9,21	287:10 288:13,17	52:13,16 264:7	297:4 298:14
62:6	153:18,19,23	288:18,21,22	prefer	prevention
potential	156:4 158:15,23	289:6,9,14,24	293:23,25	5:19 47:4 48:22
43:3,18 96:13,14	160:10 161:4	290:22 291:6,24	pregnancy	109:22 111:11
96:18,20,22 105:6	162:13,18,22	294:23 302:24	336:18	152:1,15
108:18 119:16,18	163:2 166:15	303:19 313:1,6	pregnant	previous
164:10 237:12	167:17,22 168:4,5	317:25 323:8	79:2	241:16 242:16
262:21 263:10	168:15 170:1	324:9,10,17,18,21	preparation	previously
265:16 279:24	175:4 182:5	325:6 331:3,12,12	14:15 16:15 31:1	11:11 13:8 24:6
280:13 292:8	188:13,14,17,23	331:22 332:11	32:8 44:21 56:16	110:17 153:15
302:18 313:25	194:2,5 195:12	344:6,7,11,16,16	57:6 69:5 111:4	159:24 195:1
342:6	196:16 197:11,20	344:22 345:20,22	282:15	230:4,9 330:3
potentially	197:24 198:9	345:25 348:2	prepare	331:24 338:3
117:20 157:25	202:11 203:2,4,10	powdered	48:1 57:10 59:6,10	primarily
263:18 281:16	203:11 204:3,5,11	312:22	prepared	278:24 284:9
337:15 344:4	204:13 205:11,16	powderfree	16:2,18 26:15	primary
powder	205:18 206:24	208:23	31:16 38:9,17	5:19 73:1 111:10
	l	l	l	1

				Page 384
principle	24:21 150:1 310:18	21:6	154:12	publishes
296:25	335:20 336:4		providing	108:21
	340:5,14	progressing 203:5	32:9 185:23	
principles	· ·			publishing 336:3
298:2,3,4	processed	proper	proving	
print	284:20	175:15,15 180:4,8	83:19 84:7 339:25	pubmed
265:5	produced	243:5 244:19	psoriasis	50:21 51:5 82:1,3
printed	11:18 13:22,24	properly	221:20 222:4	pull
50:20 83:1 102:8	14:7,10 15:24	187:21	pti	77:6,9 82:5 205:4
printout	39:14,16 76:6	prophylactic	3:18 9:4 341:20	246:15 249:8
5:24 6:7	produces	97:20	public	pulled
prior	229:2,8	proportion	48:8 105:23 294:11	137:2
4:16 15:25 19:5	producing	285:23	294:19 295:6	purdie
21:18 23:3,17	14:22	proposal	349:4	138:6
29:9 42:14 43:7	product	141:6	publication	purely
44:5 97:16 160:10	27:23,24 28:25	proposition	31:21 35:24 50:2	297:10 307:13
278:15 295:21	29:20,22 188:14	203:1 205:15	72:8,12 83:1 90:6	purports
303:14 311:23	223:12,25 224:3,6	212:13 225:12	100:6 110:25	149:10
private	224:8,12,22 225:3	233:23 246:2	113:8 115:12	purpose
67:5	225:4 272:9 289:8	272:7	124:6 135:22	249:16
privileges	337:15	pros	150:1 151:17,20	pursuant
27:4	production	116:10,10	152:14 259:13	11:2
probable	13:10 58:2	prospective	272:14 295:21	pursue
125:9	products	155:23 156:20,21	297:17 301:2	109:4
probably	1:5,7 3:12 8:23	protect	publications	pursued
19:18 20:3 28:17	29:18,21,23 65:10	107:8	71:22 72:2,7,15	101:4
52:9 59:4 60:8	70:17 71:3 97:16	protective	75:22 81:23 82:6	put
64:8 74:7 77:18	114:11 153:20	259:4	82:19,20 86:13	24:25 37:16 38:1
79:7 84:2 104:2	222:12,19 223:3,4	protein	110:14 250:24	51:18 75:14 82:19
105:22 114:23	223:6,18 224:25	250:18,24	253:12,14 254:7	85:8 88:11 90:20
119:9 125:5,18,25	247:24 270:10,18	protocol	259:7 296:15	104:18 119:13
204:19 226:16	275:16,20 276:5	247:16	publicity	152:7,8 186:1
227:13,16 251:16	professional	provide	160:8	218:9 236:2
266:18 267:7	5:20 20:13,20	25:6 36:13 42:9	publicly	271:23 282:15
269:5 326:20	42:15,17 60:3	145:13 292:18	107:19	293:12,13,15,16
334:17	89:19,21	308:9	publish	300:12 337:16
problem	professionally	provided	110:19 336:2	338:15 339:21
84:19 148:20	20:11,12,17	12:13 15:25 23:11	published	342:24
328:14	professionals	25:24 26:7,17	5:15 47:2,9 48:5	puts
problems	114:20 236:20	27:7 30:1 39:5,25	49:1,25 54:24	108:23 140:14
118:22 248:4	professor	49:10,13 50:7,15	55:2 86:3,6	163:22
procedures	61:16	51:19 55:2 64:17	101:23 105:4	putting
90:20	profiling	64:21,25 69:21,25	170:10 179:8	24:22 37:25 197:19
proceeding	93:11 94:14,18	70:2 72:5 74:16	190:14 214:2	215:3 337:13
60:1 349:4,6	95:2	74:17,23 76:6,15	237:2 247:7	
proceedings	program	272:10,12 274:1	252:11 253:11	Q
328:25	19:12 247:7	275:12,19	262:13 264:17	qualification
		<i>)</i> -		l
process	programs	provides	303:14	322:3

				rage 303
qualified	180:19 183:1	108:11 280:5	283:7,22	141:16 143:13
114:19,24	184:14 185:16,18	282:10 287:15	ratio	144:24 147:7
qualitatively	185:23 186:10,24	326:3 339:5	128:9,16 129:11,20	154:20 155:2,9,11
284:16	187:14,15 188:5	quiz	137:5 138:22	155:15,19 157:12
quality	188:18 189:5,16	188:2,4	191:17 265:17	158:18 170:14
82:25 149:20 301:5	189:21,22,23	quote	285:21 286:4,7	171:14,25 172:7
342:5	199:5 200:1,11,13	32:21 88:21	332:20	172:12 173:1,2
quantify	200:19 208:7	quotes	ratios	186:23 190:21
188:12 276:3,11,13	210:11 218:13	32:22	149:11,22 150:4	192:21 200:4,6
276:18	220:3 224:10,11	quoting	320:19	208:8 219:24
quantitate	231:13 232:15	154:4	rats	222:11 230:14,19
193:9 276:16	233:13 239:13	1,77,7	246:2	232:4,17 233:18
quantity	240:15,17 243:23	R	raw	235:10,17 240:4,5
225:16 283:12	247:2 250:15	r	284:17,19	240:8,18,22,23
queries	261:14 265:7	2:1,11 3:1,15 4:22	rdr	240.8,18,22,23
105:21	268:10 278:16	8:1 348:1,1 349:1	1:21 349:23	241.14,21,23
question	286:19 287:13,19	radical	reach	247:19 248:2,10
9:24,25 10:2,5,11	301:12 302:9	90:20	180:22 217:7 281:4	248:16,18 255:13
11:25 13:6,6,14	303:9 307:7 309:4	radioactive	reached	261:13 266:14
13:20 15:18 21:24	311:23 326:4,18	205:9,12 206:5,13	25:9,21	267:9 271:1
	326:22 327:7,11	206:17 207:7,11	reaches	286:18 292:17
22:4,7,20 23:22	320.22 327.7,11	207:17		297:13 298:10,18
24:11,12,16 25:14	331:5 333:14	raise	188:13,24 220:6	301:12 303:12
25:16 38:14 40:12	339:4 340:23	24:11	react	305:2 306:8 321:5
43:15 45:7 46:3,5	341:18	raised	338:2	321:9 322:5
46:18 50:23 51:3		336:14,18,20,22	reaction	341:25 347:3
57:12 66:1 72:11	questions	raising	229:15 231:9,10,10	348:5
72:14 77:8,17,19	12:21 23:1 24:25	24:25	231:11,19 232:5	
80:24 83:15 84:6	35:1 38:10 43:13	randomized	232:18 233:9,14	reading
87:5 88:2,14 89:7	47:23 55:4 56:20	262:10 278:8	234:4,11,22	18:16 33:11 41:5
89:11,12,14,16,25	127:24 128:1	290:24 291:2	328:17,20 329:1,8	44:15 114:13
91:1 94:5,5 96:21	146:10 151:3	rank	337:9 338:18	121:2 127:1
97:5 99:21 100:3	153:5 166:25	61:15	reactions	131:19 147:4
101:3 102:21	185:2 186:7,15	rapidly	221:15 228:24	151:8 155:3,5
108:8 109:8	202:7 205:7	314:4	230:17	170:19 187:19
114:14 115:18	218:11 258:18		reactive	238:8 239:21
118:24 121:9	289:1 292:11	rappaport	258:3	242:1,1,3 247:8
122:3,5 123:2,10	293:8,11,17 294:6	27:2 63:13,17	read	266:25 277:19
123:14,23 130:2,5	307:20,20 341:13	64:20	33:8,10,13 37:12	303:2 304:15,16
132:3,5,7 133:1	341:16,17 343:1	rare	65:19 70:22 71:7	reads
134:21 135:8	343:11,25 345:12	131:12 133:17	71:24 72:6 99:24	100:11 298:10
139:10 140:4	quick	195:21 197:15	101:6,19 111:22	348:5
142:13 144:11	30:5 99:20 154:16	rarer	116:25 117:10,17	real
149:17 150:5	245:25 307:23	132:24	118:2 120:10	156:4 294:3
151:19 156:4,17	quickly	rate	121:22 122:6	realize
157:12 158:6	31:14 37:18	88:12 164:21,25	126:19 133:19	274:22
167:13 168:12	quite	324:24,24	134:21 135:23	really
169:17,18 179:21	39:10 68:2 106:2	rates	139:10 141:9,15	24:13,13 59:9
	ı	ı	1	I

				Page 386
64:11 65:23 85:10			0.7 (7.11 12	159.22 150.4
	recognize	reference	8:7 67:11,12	158:23 159:4
131:14 178:21	190:11 216:16	34:24 36:24 39:19	region	166:15 169:2,19
206:8 262:17	306:14 317:6	39:23 54:19 55:24	23:21 67:13 76:20	179:3 214:13
276:25 303:8,8	recognized	254:17	77:12,23 78:2	215:10 260:6
327:11 341:4	107:14 243:6	referenced	167:25 197:21	280:14 287:9
realtime	257:16	238:20 254:7 302:2	204:3,5,13 209:17	292:8
10:18	recollection	references	210:4 215:5 216:1	relative
reason	112:10 146:18	32:10,16,19,21	216:7 283:15,18	62:1 112:16,16,17
108:3 184:15,21	206:12 237:14	33:14,23 38:2,6,8	regular	169:8 170:7
185:18 186:11	276:1	38:12,13,24 40:7	18:23	171:17 172:5,15
187:5,7,16 209:9	recommendation	72:17,25 82:4	regularly	239:12 319:19
226:7,13 236:16	298:20	112:10	317:25	349:15
318:6 334:11	recommendations	referencing	regulate	relatively
reasonable	297:10	74:8	195:2	94:14
76:24 126:24 260:8	recommended	referred	regulation	relevance
297:8	97:14,18	53:21 84:16 152:25	92:14	248:15
reassert	record	243:8 345:6	regulatory	relevant
11:9	8:3,9 10:13 34:16	referring	287:1,6 296:6,14	56:3,6
reassuring	34:17 35:6 51:15	29:19 123:19,20	reid	reliability
24:8	89:17 90:11,14	151:23 182:24	47:2 280:11,15	150:5 281:17
reath	151:14 152:24	212:12,25 234:14	282:1	reliable
2:19	177:19,22 184:1	254:5,6,16 257:19	reinforce	105:24 301:23
recall	190:6 259:20,23	262:17 274:5	29:14	reliance
23:7,10 65:20 66:5	308:1,4 343:2,3,6	301:9	rejected	36:24 54:18,19
66:15,16,18 74:13	346:18	refers	124:1 140:24	relied
95:13 103:20,22	records	237:18	rejects	31:6 34:2,7 35:19
104:1 112:9 116:9	17:6	reflect	287:1	36:1 54:15 72:4
118:20 135:20	rectal	89:17 179:13,24	relate	159:19 335:7
154:15 155:20,22	209:18 210:6,13	reflected	37:19 64:20,25	relies
157:5,8,14,17	211:6 213:23	18:5 59:22 108:1	123:22	300:19
158:7,12,19 160:9	216:25	reflective	related	rely
	rectum	247:16	23:19 24:17 150:11	
209:14 214:3	210:19 211:10	refresh	150:14,15 157:9	75:23 105:7 111:8
238:8 246:9	redic	205:4 206:22 214:4	220:12 228:7	135:17 138:25
275:18,24 309:8	246:1	237:14 239:7	307:11 349:14	159:11 164:17
344:1	reduce	regard	relates	217:12 229:10
recalled	175:3 245:4 342:13	19:23 45:19,19	46:7 64:16 194:4	243:14 245:18
160:5 162:12,17	reduced	60:5 83:15 111:9	relating	249:4 264:19
-	245:5,10			
receive	· · · · · · · · · · · · · · · · · · ·	120:1 332:9	40:24 47:23 58:7	294:18 296:5,14
11:12 60:14 174:20	reduction	334:22 337:25	245:3	301:4,6,14
received	320:25	343:12 344:4	relation	relying
47:14 50:2 110:5,7	refer	regarding	7:4 237:4,22	30:14 31:2 32:8
110:8 313:1	29:16,17,17 37:15	22:15 41:12 68:12	relationship	33:18 73:2 215:19
recess	91:25 130:17,20	165:9 185:9	6:21 20:25 21:2	230:9 233:5,18,22
90:13 177:21	130:23 236:11	214:21 236:5	80:12 81:2,11	234:15,25 244:8
259:22 308:3	238:24 243:19	294:23 344:1	95:7,11,16 101:10	252:6,10,17
343:5	248:25	regards	146:15,20 158:14	254:20 271:7
L	1	1	1	1

				rage 307
272:6,14 289:12	30:1,8,13,19,24	85:2 149:15,22	299:1	45:15,16,19
335:6	31:5,10,12,16	150:3 161:22	requires	respect
remainder	32:1,15,20,22	165:10 200:12	52:11 197:7	22:12 26:16 29:12
90:24	33:1,9,14,24 34:8	reports	reread	40:12 64:19,24
remained	34:14 40:7 44:22	65:12,20 66:7,12	101:20 114:12	75:22 95:2 110:18
206:18	53:19,21 54:24	66:14,19 128:4	238:7	113:23 123:5,6
remains	55:2,6,12,17	149:6 231:3	research	131:7 142:17
261:10	56:16 57:7,11	242:17 266:15	5:24 17:12 22:19	280:22 288:11
remark	58:2 66:6,10,10	267:5 271:1,7	42:19 51:1 56:16	289:1,19 294:15
37:24	68:5,6 70:4 72:18	276:12,17 277:8	56:19 81:25 91:14	respective
remember	72:21,24 73:1,9	305:10	91:15 105:6,8	109:10
69:10,13 103:10	74:9 82:12 85:14	represent	106:12,12,16,20	responded
157:19 158:8	91:25 127:21	74:14 228:17	110:10 111:4	13:7
186:14 187:24	133:18 135:2	256:25	113:24 141:6	response
remembered	136:17,19,21	representing	230:24 235:12	100:21 120:23,24
162:12 163:17	141:23 143:8	23:14 187:21	236:5,8 255:1	121:6,8,11 159:12
164:4	146:5 149:10	represents	280:3,13 288:11	159:14,15,16
remove	153:1 177:25	196:13	312:19 318:13	189:13,16 191:1
97:20	178:7,10,16,24	reprint	334:25	191:19,24 192:1,4
removed	182:2,3,8 190:16	4:23 35:13 36:6	researched	192:8,12 220:7,18
317:15,18	191:25 199:13	39:13	51:4 284:10	222:5,7 227:16
removing	201:10,23 214:1	reprints	researcher	229:3,8 230:15,25
90:21	214:22 217:13	40:3	260:24	246:4,7,13 251:8
rendering	222:10 232:4,12	reproductive	researchers	305:18 306:3,4,15
111:4	232:16 235:9	87:24 88:17,25	105:10 166:11	306:19,20,24
repair	237:8 238:21	90:2 110:10	204:23 207:17	338:24 340:25
99:7 100:9,14	244:1,25 245:25	197:22 198:14	208:5 282:22	341:2
repeat	247:21 248:25	201:4,25 208:22	resections	responsive
10:1 89:8 100:3	249:7 252:15	231:6,16 334:5	90:21	13:12,23 15:20
142:25 252:5	254:17 264:19	reputable	reserved	rest
rephrase	266:13 267:11	106:14,19	346:21	260:12 307:14
10:1 70:6	275:5 277:14	reputation	residency	restate
rephrasing	287:23 292:14	253:10 342:4	19:12 20:17,19	77:19
189:15	319:2 321:1	request	21:6 23:24 97:1	result
replacement	330:24 331:8	13:10 18:7 25:6	resident	116:19 117:24
264:24 265:8,10	335:7 341:22	69:24	19:15 20:15 42:21	119:23 153:16
replicate	342:24	requested	96:25	171:18 195:3
255:20 314:4	reported	11:17,22 22:5,9	residents	201:4 211:22
replicated	1:21 129:25 144:17	70:3 109:2,18	19:10 96:12,18,22	213:9,9,17 329:22
181:3	178:2 207:21	253:24	96:25 97:2	resulted
replicative	271:11 274:14	requests	residual	150:1
313:25	289:5 291:5 305:3	11:10 12:7 13:5	261:5,7,9,19	resulting
report	317:21 319:1	require	resistant	87:24 88:17 132:9
4:17 12:12,14 16:3	336:11 346:11	298:21	197:4	224:16 247:15
16:16,18,19,19	reporter	required	resolves	results
17:13 18:15 22:21	8:9 152:7 349:3	66:25 225:3 298:21	243:5	120:4 137:17 139:2
26:9,16 29:7,13	reporting	requirements	resource	139:7,13 140:12
20.7,10 27.7,13	Por vins	1 equit ements	1 CSOULCE	157.7,15 1 10.12

				Page 388
149:15 151:10	168:21 179:2	17:13,16 19:22	144:1,3,9,21	235:3 236:7,13,20
157:18 158:7,11	193:2 202:17	21:10,15,16 25:8	146:17,22 147:24	237:5,7 238:6,18
170:1 171:23	206:9 207:3 221:1	25:24 26:1,13,21	148:4,9 149:12	238:25 240:2,25
172:10,16,23,25	221:5 244:20	28:19 29:9 31:18	150:19,25 151:7	241:13 242:6
174:7,9 180:22	245:12 252:11,19	31:21 32:5,16	152:6 153:4,25	244:25 245:2
181:3,7,12,19,20	252:21 253:11,13	34:15 36:20 38:3	155:7,18,21,24	246:4,7 248:8
188:8 205:1	254:19 271:25	39:20 40:12,25	157:3,20 158:6	249:2,13,14,18,24
230:25 232:7,20	275:7 300:15	41:9 42:3,6 44:17	159:13,17 160:1,6	250:25 251:7,10
233:2,7,15 234:12	308:18 335:19	47:4,10,18 48:6	160:10,16,20,25	251:14,15,23
241:15 255:16	336:4	48:10,19 49:3,22	161:8,11,20,21,24	252:4,8 254:3,23
259:14 261:2	reviewed	50:3,16 51:6	162:8,13,18,23	254:24 256:13,16
275:13	14:14 16:1 22:4	52:25 53:14,25	163:2,15 164:10	256:19,22 257:15
retained	29:8,12 30:19,23	54:12,20,24 55:7	165:13,15,24	260:17 261:3
16:12 19:1 20:4,8	30:25 31:15,17,20	57:8 61:7 62:20	166:5,9 167:3,15	262:7,14,22 263:3
21:18 25:4 42:14	31:23,25 32:3,7	64:7,12,21,22	167:18,22 168:1	263:15 264:21,24
42:24 43:7 44:5	32:11 33:11 34:2	65:4 66:14 68:9	168:15,24 169:4	266:4,8,21,23
44:16 51:2 57:13	34:7,16 35:19,25	72:14 74:19 78:6	169:13,21,24	267:2 268:23
59:25 65:6,9,13	50:14 54:15 59:8	78:12,13,15 79:11	170:2 173:3,5,11	270:25 271:8,17
102:13 103:12	66:9 68:15 69:4,9	80:4,9,16 81:14	174:2,11 176:1,5	271:21 272:2,17
104:8	69:10,18 71:9,12	81:18 84:17 85:14	176:12 177:2,13	272:20 277:3,5,20
retrospective	72:23 73:18 74:7	86:4 88:21 91:11	178:3,17 179:9	278:12 279:10,25
6:18 118:8,14	76:13,19 82:2	92:2 96:3 98:1	180:6,10 181:8	280:11,17 281:17
119:1 155:24	83:6 111:3 121:11	99:3,10,23 100:1	182:5,9,14 183:22	281:24 282:4,16
156:20 157:2,6	125:24 135:17	100:10,15 101:13	184:8,12 190:4,17	282:20,24 283:4
158:13,20 190:13	142:11 159:25	101:17,24 102:7	190:20 191:2,12	284:10 285:11
retrospectively	178:1 190:12	102:11,15,24	191:16 192:1,19	287:21,23 290:15
118:21	202:5 214:10	103:5 104:5 105:8	193:7,11 194:16	291:14 292:15
return	230:9 253:15	105:15,18 106:7	196:10,16 197:13	294:9,16 295:3,6
36:12 257:13	275:15 277:2	106:11,21,23	197:22 198:7	295:18 296:16
reveal	280:22 292:13	107:1,4,24 110:20	201:2,18,22,25	297:7,11,24 298:5
335:14	293:2,5 298:23	112:2,5,13 113:5	202:15 203:8,14	298:22 300:2,16
revealed	300:3 342:15	113:20,24 116:14	203:19,23 204:12	300:20 302:25
335:24	reviewing	116:15,24 117:17	204:25 205:13,21	303:21 304:5,14
revenue	66:6,13,16,18	118:5,8 119:19,25	206:1,21 207:19	304:18,24 305:6,7
60:20,21	108:14 116:17	120:8,11,14	207:25 208:3,6,23	305:11,15 306:4
review	247:5 272:9	122:15,17 123:4,6	209:1 211:1	306:16 307:5
6:11 7:8 21:19,22	reviews	123:17 124:22,25	213:10,18,24	308:13 322:21
22:6,8,9 50:13	116:14 301:25	125:3,6,10,16,19	214:10,15,18	323:13 324:6,23
56:15 57:14 65:12	rheumatoid	126:7,13,17	215:7 216:12,15	325:7 330:15
70:22 73:21 75:5	221:16,18,25 222:3	127:20 128:2,15	216:22,23 217:1	336:18
75:12,16 77:10	rice	129:13,16 130:3	217:13,15 218:15	righthand
82:5 85:5 102:9	67:23,23,25 68:2	133:25 135:6,7,18	218:18 219:4,7	171:7 230:13 242:7
104:10,15,20	81:8	136:15,18,21	220:8 221:17,20	282:2
104.10,13,20	right	137:3,7,14,17	222:16 226:11	rise
114:6,10 120:22	9:19 10:17,18,22	138:6 139:2	227:23 229:12,23	310:3
123:15 146:12	14:22 15:16,19,24	140:11,21,25	230:3 231:6,25	rises
149:25 165:21	16:7,13,18,20	143:6,10,22,25	232:10 234:5	310:3
177.23 103.21	10.7,13,10,20	1 13.0,10,22,23	232.10 23T.3	310.3

				Page 389
	210 10 220 25	054020550016	210 (224 20	00 4 46 05 100 10
risk	319:19 320:25	254:23 255:2,9,16	219:6 234:20	22:4 46:25 102:18
6:3,5,8 7:4,10	321:2,6 322:7	255:24 256:6,11	241:23 248:9	117:9 138:2
31:18 42:13 78:9	323:4 330:25	257:5 315:14	251:25 298:6	143:12 160:14
78:10,14,21 79:13	331:21 344:15	334:22,24 335:7	323:6	170:13,20,24
79:15,17,18,24,25	345:20	336:9 337:1,7	scan	192:9,22 199:19
80:1,3,8,12,20	risks	338:16 340:14	154:16	199:20 230:12
81:2 86:10,17	7:7 37:4 97:24,24	saeds	scary	232:17 246:25
91:3 92:6 96:13	293:1 297:20	230:24 235:25	339:19	249:25 298:7,8,9
96:14,16,18,20,22	rmr	253:5 335:12	schildkraut	305:20 321:15
102:17,22 103:7	1:21 349:23	safe	6:16 159:11,18	346:16
103:19,25 105:1,6	role	225:9	160:3 163:22	secondtolast
106:13 107:13,15	238:5 241:18 242:9	salary	164:18	229:24 249:7
107:21 108:18	242:23	61:12	school	section
109:6,11,23 110:2	ros	sales	4:11	111:18 143:24
110:13,20 112:1	251:22	1:6	science	306:2
112:16,16,17	ross	saltwater	287:2 331:6,18,20	see
114:3 115:5	6:12	326:24	scientific	20:24 37:20 39:21
119:25 128:7	roughly	sample	75:22 84:8 91:14	50:17 51:21 55:23
131:24 133:3,10	161:22	203:16 205:20	115:2 117:12	59:9,16 73:10,14
141:14,25 143:18	rounded	275:6	157:8 247:10	74:3 81:5 99:12
145:16 150:18	134:11	samples	253:7 289:12	101:25 111:19
151:6,11,21 153:8	routine	274:11,17 318:16	297:5 298:16	112:7 113:7 125:7
157:14 169:8	97:4 344:6,16	samuel	299:6,21 333:4	132:23 136:25
170:7 171:17	rpr	5:22	scientist	138:20 141:2,6
172:5,15 174:19	1:21 349:23	san	253:6,9 255:20	154:3 161:3,12,16
174:24 175:3	rule	2:10 3:4	337:13	162:3 167:5
177:13 181:7,20	4:17 126:24	sand	scientists	171:24 174:1
182:4 191:9 197:7	rules	198:12	107:7 114:19 115:6	183:11,12 185:25
217:11 219:16,20	9:21 12:23 13:2	sanitary	236:19 273:18,19	191:7 219:15
225:15 226:1	60:19	170:2	scoring	227:3,3,5,9,11,14
237:4,22 239:11	run	saturday	82:22	227:18,22 228:4
239:12 241:24	52:21	58:21,24 59:2,5	scratch	230:23 233:12
242:13,14 243:7	running	saw	310:20	235:25 241:8,8,9
243:11,12,15,21	294:4	15:14 75:3	screen	241:10,11 246:19
244:5,13 245:5,11	rvus	saying	77:20	246:24 257:6
248:15 263:25	62:5	31:4 81:5 161:16	screening	264:25 301:20
265:8,10 282:7,12		172:2,4,14 208:14	5:14 97:4,14	306:12 307:9,11
282:19 283:3,16	S	234:10 288:20	101:24 102:11	307:13 310:10
283:19 284:1	S	301:14 314:3	screenings	316:5,11 318:5,24
285:10 287:3	2:1 3:1 5:22 6:22	331:17	98:7	321:3 323:9
292:17 293:18	8:1	says	se	330:12 337:9
294:9 295:16,20	saed	76:25 116:24	20:20 74:9 82:22	340:16
297:24 299:20	31:23 100:25 221:9	122:13 125:21	329:18	seeing
300:18 301:4,15	252:2,2,3,7,8,14	130:19 141:6	search	154:15 161:12
303:19 309:17,23	252:15,16,17	147:5,20 151:11	51:5,18 52:1 82:1,2	211:12 318:9
310:3 312:13,15	253:1,14,22,25	182:21 200:5	82:3 85:24	seen
312:23 313:4,6	254:2,14,18,18,22	203:24 218:22,25	second	11:8,14 88:12
312.25 515,0		203.21210.22,23	Second	,

113:18 132:20 168:2 212:22 219:20 226:19 237:6 269:19	235:4 series 74:1 343:25 serious	95:16 105:18 106:23,25 107:4,7	76:1 177:1 228:10 228:19,23 338:3	181:3 182:3 188:8
113:18 132:20 168:2 212:22 219:20 226:19 237:6 269:19	series 74:1 343:25	106:23,25 107:4,7		
168:2 212:22 219:20 226:19 237:6 269:19	74:1 343:25		ZZ0:19.Z0 000:0	
219:20 226:19 237:6 269:19			shows	203:4 205:18 266:17 267:6,13
237:6 269:19	serious	107:13,20 108:4 108:17 109:5,9,10	80:11 81:1 128:6	· ·
	247:11	share		268:2,11,13,15
1 270.22 275.21	·		143:16 146:7,19	269:8,11,17,21,23
	serous	223:9	160:15,18 191:4,9	301:19,24 305:8
	132:18,21 133:4,13	shaw	201:3 230:25	333:9
340:13	133:14,15 145:2	3:13 8:22	245:19 251:21	similarity
seer	146:16 147:9	sheet	shy	303:13
134:13	150:18 151:11	40:21 126:4 302:13	125:8,13	similarly
select	153:23 154:2,6	347:6	sic	203:2 205:16
74:18 178:23	194:18,23 195:6	shes	101:5 291:17,20	343:20
selected	195:10,11,17	68:3 344:5,6	side	simple
75:15 119:20	220:20 222:20	shortcomings	68:19 155:10 241:8	77:17 118:24 303:8
272:12	239:12	248:11	242:7	simpler
	serum	shortcut	signature	213:15
	221:7	14:5	346:21 347:10	simply
	served	shouldnt	signed	26:18 46:18
′ ′ ′	11:11 13:8 74:7	191:19 209:17	55:3 347:6	single
176:19,21,22,23	107:3 108:20,22	231:14 283:22	significance	87:22 88:15,23
	services	show	112:15 137:22	117:18 119:13
· · · · · · · · · · · · · · · · · · ·	1:24 5:21 60:18	36:13 82:12 121:1	177:5 191:14,20	120:2 121:7 149:7
	serving	124:13 144:7,14	239:10 281:4	275:6 334:1
	28:4 285:7	151:8 166:14	significant	340:15
	set	173:9 174:4	80:11 81:1 112:14	singlenucleotide
	29:13 35:18 37:6	177:11 192:4	129:1,24 130:8	256:10,12
sentence	178:23 182:7	199:1 213:8,16,22	137:17 139:2,7,13	sir
120:2 121:21 122:6	188:7,9	216:21,25 219:11	140:18 142:2	9:17 10:4,24 16:9
	sets	229:21 233:25	143:18 144:8,14	17:10 21:11,21
200:5 232:17	186:9 297:23 298:8	246:6 257:9	145:16 146:15,20	26:5,22 29:4 36:2
241:14 242:2,3,4 s	setting	259:16 273:20	150:18 151:6	47:16,25 48:11
298:8,9 303:3	318:13	274:3 275:6,17	158:14,22 159:3	53:12 56:18 57:22
306:7 s	settings	335:11	166:15 169:2,19	59:19 62:24 63:7
sentences	281:7,10	showed	173:10 174:4	65:11 69:19 71:11
230:14 242:8 s	severe	179:2	175:2 177:2,12	78:7 83:18 106:22
305:21	134:19 135:10	shower	179:3 192:16,17	124:23 136:16
separate s	severity	29:18,18,21,22	192:19,23 193:7	143:7,23 173:14
40:14 289:3 291:9	133:23 135:5	223:5,5,22,22	219:11 257:10	191:8 197:23
separated s	sex	224:8,8,22,22	266:18 267:7	198:8 235:18
132:13	131:9,10	267:17,17 272:8,8	305:4,9 344:24	249:12 298:19
	sexual	288:22,22 289:9,9	signs	302:16 341:6
_	215:22	292:1,1 344:17,17	316:5,11,14 317:2	sister
september s	sexually	showing	317:6,13,22,25	332:13
_	216:19	15:15 233:6 255:23	318:3	sit
	seyfarth	256:5 305:9	similar	15:18 66:5,12
-	3:13,16 8:22	339:11	81:22 118:22	184:15,16,20
	sgo	shown	171:18 172:16	185:13 278:5
	0			

				Page 391
sits	67:16 95:15 105:17	227.15	202:21 216:17,19	276:10
		237:15	· /	
185:19	134:13	speaking	333:25 334:12,20	started
sitting	solely	165:12 186:6	sphincters	24:13,25 59:23
204:7 275:18	21:15	237:17 292:19	209:24	97:1 245:15,15
situation	solution	311:6	spleen	340:14
97:9 260:17	202:14,24	special	90:21	starting
six	somatic	45:14	spoke	73:10 84:23 96:24
28:17 59:5 137:1	315:16	species	283:1	starts
178:1 186:8	somebody	258:3	spoken	310:3 311:13
size	215:16 235:2	specific	95:9,14 253:22	state
82:23 118:19	soon	25:19 89:25 93:24	sponsoring	9:12 120:21 122:7
198:13,19 203:16	136:19	99:21 123:23	106:20	143:13 146:7
205:20 247:18,23	sophie	165:16 185:3	sponsors	178:1 232:4,17
247:25 285:3	1:21 349:3,23	257:18 263:24	106:16	233:8 235:9 242:8
sjosten	sorry	268:16 333:19	spontaneous	247:7 268:10
207:24 208:5	72:1 112:17 115:16	340:8 344:2	99:6 100:8	303:11 349:1
skilled	116:21 127:13	specifically	spouses	stated
164:17	138:21 140:2	74:13 76:25 100:4	21:8 98:17	31:17 43:10 194:15
skin	155:16 170:18	102:21 154:19	sprays	statement
221:24 222:1,3	183:19 199:21	178:10 195:9	223:18	100:4 111:9 112:4
slides	201:12 212:4	218:15 247:6	spread	112:22 121:5,19
318:20	227:12 254:10	285:19 289:20	316:19	121:21 127:2
slightly	265:3 266:24	290:13 330:19	spreadsheet	155:10 215:20
188:10 297:1	280:7 304:15	specifics	342:16	232:14,23 233:5
slow	314:12 317:17	165:18	spurious	233:13,19 234:15
314:4	sort	specimens	116:20 117:24	235:1 241:21
small	15:11 17:7 35:1	227:2	119:23	305:19
75:23 205:19,20	56:25 169:22	spectrum	squamous	statements
225:17 280:16	299:12 308:21	5:11	212:5 332:25	108:2 335:18
smaller	314:14	speculate	stack	states
219:19 334:18	sound	66:1	34:24 35:21 116:6	1:1 6:19 35:13 47:2
smith	297:7 298:22	speculation	stamp	101:5 111:21
3:24	sounds	66:3	113:16	117:10 119:23
smokers	189:20 260:8	spelled	stand	129:19 130:11
260:19	266:23 297:8	49:21	187:4	134:5 154:19
smoking	323:13	spellings	standard	170:14
260:11,16,22	source	49:23	83:19 84:7	stating
snps	302:5 335:15	spend	standards	186:17
256:9,9,12,18,21	sources	16:23 17:3 18:19	61:18	station
256:24,24 257:4,7	105:3 114:8 134:14	57:2 59:1 60:4	standing	103:9
257:10,14,16,18	180:5 336:5	108:13	204:7	statistic
257:21 315:13	south	spent	starch	320:22
socialize	2:15 3:19	16:11,16 17:11,15	208:3	statistical
21:5	sp	57:4,6 58:6 59:20	start	4:21 82:23 132:24
socially	6:7	328:4	29:5 82:7,8 96:17	137:21 170:15
20:7,12,21	speak	sperm	116:16 167:2,15	171:15 177:5
society	10:10 23:2 59:17	201:17,22,24	167:25 223:21	191:14,20 195:22
Society	10.10 23.2 37.17	201.11,22,2 T	107.23 223.21	171.17,20 175.22

				Page 392
220 10 201 4		50 C C 7 C 10 0 5 A		155 11 150 0 15
239:10 281:4	1:17 2:4,15 3:4,14	50:6,6 76:19 85:4	233:8,24 234:4,7	177:11 179:8,17
319:22	strength	85:5,9,14,19,25	234:8,24 236:10	181:7,20 184:13
statistically	131:2,16 133:20	87:19 101:8	240:8,18 241:16	186:1 190:7,13,16
80:11 81:1 112:14	135:3	106:10 112:15	242:18 243:7	191:4 192:4
128:25 129:23	stress	118:5,22 119:1,5	244:20,21 245:2,9	195:19 198:21
130:8 137:17	252:20,22 258:2,6	119:10,16,19	245:12 246:6	200:12,16 202:3,9
139:2,7,13 140:9	258:9,20,25 259:1	120:5,7 128:10,17	248:25 252:2	203:13 205:2,9,11
140:18 141:24	259:5,8,12 269:13	129:25 133:9	254:19,20,21	205:20 206:9,12
142:2 143:17	stretch	137:13,16 138:22	255:8 257:9 261:3	207:24 208:2,21
144:8,14 145:16	56:9	138:24 139:6	264:17 279:23	208:25 212:12,25
146:8,15,20	strike	140:13,15,21	280:22 281:4,17	213:4 214:2,3,9
150:17 151:5	20:1 22:10 26:8	141:22 143:9,15	281:21 282:6	215:19,24 216:5
158:14,22 159:3,5	44:13 49:1 57:23	143:25 144:2,7,10	283:23 284:4	219:8 225:11
166:14 169:1,19	62:15 66:17 75:4	144:13 145:4,8,15	290:1,2 296:16	233:4,17,17,18,20
173:10 174:4	86:2 99:8 120:23	145:20 146:8,11	301:6 303:14	233:22 234:14,20
175:1 177:1,12	129:7 131:15	146:19,25 147:11	305:3,9,10,12	234:25 235:2,8
179:3 192:15,17	142:3 146:8	148:1,16 149:12	306:4,15,19,21,24	237:10 238:4,7,9
192:19,23 193:7	148:19 149:9	149:16 154:3	306:25 307:4	238:17,23 239:8,9
219:11 257:10	156:7 159:8	155:20,23,25	317:13,15,21	239:22 240:23
statistics	178:15 180:19	156:19 157:1,3	319:2 334:22,24	242:22 243:10,14
181:10	212:16 220:4,11	158:2,13,15,21	335:6,7 340:13	246:2 247:7,9
status	222:9 224:19	159:2,4,6,16	345:6,8	248:6,14,19 249:1
62:9	232:13 244:16	164:16 165:2,3,6	study	249:4,13,16,22,24
stay	251:18 252:3	165:7,9,12,14,16	6:15,18 48:17 77:4	250:6,16,21 251:3
222:23	255:4 264:6 265:9	165:17,19 168:2	80:11,16,22 81:1	251:8,21 254:2,4
steiling	267:23 272:6	169:9,10 170:5,17	81:6 82:23,24	255:24 256:6
217:12,14,15,22	273:12 275:22	171:17,20,21	88:23 90:1,5 99:5	261:6,20 262:1,7
218:13,17	277:11 292:22	172:2,5,8,17,18	100:7 117:19	265:17 281:8
step	296:13	172:22 173:5,6,9	118:8,14,18,19	282:1,14,18 290:7
339:14,15 340:5	strong	173:14,25 174:4,8	119:12,13 120:2	290:9 301:8 332:2
steps	85:9 91:14 129:20	174:9,14,15,17	121:7 129:12	332:7,7,14,14
315:3 339:9	130:7,12,17,20,24	175:18,19,24	135:16 136:15	337:2,5 345:17
sticker	130:25	176:20 177:1,6	140:25 141:18,19	346:1,7
37:25 152:8	stronger	178:5,9,23 179:2	141:22 144:20	studying
sticky	153:22	179:8,12,18,23	146:12,14 147:24	236:20 260:9
308:15,17 309:9	strongest	180:6,10,14,18,21	148:4,12,21,22	subject
stimulated	154:3 239:12	181:9 182:9,10,13	149:8,20 150:5	12:7 68:25 157:1
203:20	stuck	183:4,8 184:11,17	154:4,6,10,18	submission
stop	45:11	184:22,24 185:3,9	157:6 159:12,19	16:16
226:9 310:20	studied	185:20 186:8,12	159:24 165:20,23	submit
stopping	144:16 176:15	187:2,17,20 188:3	166:2,7,10,10,11	18:8
258:14	199:10 236:22	188:7,9,11 190:22	166:20 167:1,2,13	submitted
stops	260:7 281:6	196:23 197:10,16	167:15 168:3,16	16:19,21 17:22,22
251:14	289:21 291:9	198:25 199:6	168:21,21,23	17:24 18:7 26:9
straight	315:18 334:3,8	201:9 213:8,16,22	169:5 172:15	55:18 56:1 64:8
27:13	studies	214:12 216:21,25	175:14,16 176:3,8	117:12 295:25
street	4:22 24:10,10 50:5	219:9,10 231:3	176:16,17,24	301:1
	<u> </u>		· · · · · · · · · · · · · · · · · · ·	

				rage 373
subsequent	225:20	170:23 172:1,24	suspect	304:17 308:13,23
20:19 83:12 156:2	supervision	175:21 188:25	84:23	309:1
178:7 254:21	349:9	190:19 194:9	suspended	tables
subsets	supine	196:2 202:8 205:8	202:14,18,22,24	149:8 273:3,7
75:23	207:6,10	209:22 210:2	203:3 337:20	302:2 319:22
	,	223:14 228:14		337:18
subspecialty	supplemental 31:25 302:2	229:17 232:16	suspension 202:19	
61:13				tablet 294:10
substance	supplements	237:20 241:1	sustained	_,
203:3 208:19	249:18	243:21 246:16	312:25 314:17	tact
258:24 259:1	supplied	247:1 252:6	sway	90:2
substances	11:20 73:25	258:17 261:7	296:9	taher
123:22 198:10	supply	263:4 265:6	swear	7:10 31:20,20 49:6
216:11 258:6	314:19,20	271:22 280:5	8:10	49:6,9 178:8
substantial	support	286:12,21 293:19	swimmers	292:12
163:9 283:9	29:14 32:21 38:14	293:21 298:1,25	328:2	tails
substantiating	72:6 111:24	299:18 300:13	swimming	140:7 201:22
290:3,10,19 291:3	117:13 134:7,8	304:17 307:25	326:15,15,23	take
subtype	146:8,20 201:10	308:8,17 314:24	327:21 328:5,11	9:14 11:7 30:5 56:8
146:16,22	201:16 203:1	316:14 319:23	sworn	63:11 77:14 88:3
subtypes	205:15 235:19	320:1 326:3	9:7 349:7	88:6 90:10 97:10
131:23 150:9	238:17 244:8,9,21	330:15 333:13	syndrome	99:20 110:4,22
195:12,25 196:21	244:22 247:10	335:3,20 336:2	79:6 312:5	111:17 112:14
196:22 242:18	249:4 289:13	339:5 340:21	synergism	113:10 116:21
successes	331:6,18	surface	260:14	130:2 131:13
90:23	supported	87:3 212:3 232:7	synthesis	135:25 151:2,9
sufficient	320:14	232:20 233:15	99:7 100:9,14	159:17 161:3
81:6 125:3 170:6	supports	234:12,23	system	167:9 171:4
sufficiently	232:14,23 301:17	surgeon	82:22 248:5 329:2	173:19 177:18
114:17	suppose	227:1 316:15	systematic	183:17 202:10,16
suggest	127:1	329:23	6:11 7:8 18:23	229:17 238:10
195:17 196:23	suppression	surgery	32:13 301:25	243:20 245:25
241:16 303:15	320:10	97:20,24 206:3,6	systems	248:24 259:19
suggested	sure	206:11 207:7	339:21	295:10,11 297:4
133:9 316:22	24:19 27:12 37:21	226:10 307:9		298:13 300:11
suggesting	39:10,14 41:16,23	316:12	T	307:23 316:18
221:7 293:4	42:17 50:18 51:23	surgical	t	339:9
suggests	53:16 57:12 59:12	39:11 90:20 209:1	4:24 35:15 348:1	taken
217:9 302:22	68:2 77:21 78:17	226:1,8	349:1,1	1:16 8:6 24:7 53:17
suit	89:23 91:10,19,23	surprise	table	90:13,23 129:2,6
27:23	92:8,17 93:4,16	109:25 110:15	12:10 77:15 141:6	177:21 247:20
suite	93:25 99:25	surprised	146:1 160:13,14	259:22 299:5
2:9 3:4	109:13 116:6,23	179:17	161:1 169:16,17	308:3 343:5 349:8
summary	118:10 121:4	susceptibility	173:23 178:1,10	takes
82:11 304:11,19	124:13 126:9	211:19	185:4 187:19	80:16 310:22 311:6
sunday	124:13 120:3	susceptible	191:7,9 192:3,8,9	talc
58:21,25 59:2,5	134:23 136:2	175:18 197:3 212:6	192:22 193:5,6	3:2 6:3,5,8,10,17
superior	151:9 164:24	212:9,17	264:20 304:8,11	6:21,22 7:9 29:16
superior	131.7 107.27	212.7,17		0.21,22 1.7 27.10

				rage 374
29:17 37:5 48:9	268:23,24,24	109:23 113:3,4	294:23 313:1,6	technetium
53:9 54:3 67:8	269:1,4,4,5,6,11	114:11,21 115:4,4	317:25 323:3,8	205:14
68:13 70:18 86:21	269:16,20,23	116:18 126:10,12	324:9,10,17,18,20	technical
87:1,7,13,17,25	271:4 274:10,13	126:23 128:8	325:6 332:11	108:23
88:12,18,24 89:4	274:17,18,22	129:3 131:12,20	344:6,11,16	technique
90:2 96:12,18,22	283:8,15,18 284:2	132:9 133:2,10,21	345:19,22,25	255:7 276:1
108:5 109:23	284:7,7,16,25	135:3 143:9,20	348:2	techniques
110:2,12 111:18	286:11,14 288:18	153:18,19,23	talk	81:22
111:25 117:25	288:18,22 290:10	156:4 158:14,23	5:9 52:17 59:14	teen
119:24 121:17,23	291:14,17,20	166:15 167:17,21	78:9,10 115:3	187:20
122:8 123:5 124:1	294:12 302:24	168:4 170:1 175:4	201:9 219:3	telephone
126:5,6,10 127:21	303:18 304:13,21	182:5 188:13,14	246:22 250:2	2:5,10,16,21 3:5,9
128:4 129:19	312:22 313:14	188:17,23 194:1,5	277:3 321:2	3:15,20
130:11 141:14	315:4,6,11,19	195:12 196:16	talked	tell
142:1 144:8,15	323:22 324:5,12	197:11,20,24	30:17 103:19	9:25 12:3 14:19
145:1 146:21	324:25 325:11,17	198:9 202:11	153:14 229:11	17:25 18:14 23:5
148:23 151:21	325:25 326:8	203:2,4,10,11	230:8 231:2	37:1 40:8 56:7,9
154:13,22 155:13	334:11,18,18	204:2,4,10,13	246:13 250:22	66:1 74:10 94:25
156:23,25 157:19	336:9 337:10,19	205:11,16,18	267:16 328:24	104:3 120:19
158:9 160:5,24	337:22 338:1,10	206:24 207:5	talking	128:3 131:22
161:10,18,22	338:19,23 339:4	208:2,16 209:16	17:11 80:18 106:4	139:25 250:20
162:5 163:17	340:1,25 343:20	210:3 211:19	140:1 147:1	277:10 300:9
164:4 166:23,23	talccontaining	212:23 214:14,25	165:15 169:9	312:1
167:25 169:2,3,13	223:17	215:4,11,14,17,24	170:6 186:3	temperatures
169:20,21,24	talcum	216:8,22 217:1,7	189:11 195:10	250:3
173:10 174:5,20	1:5 7:3 8:7 9:15	217:16 218:14	196:11 213:13	ten
174:23 179:4	16:24 18:21 20:5	219:10,12,16,22	222:4 223:19	169:23
189:10,17,24	22:12,15,17,22	219:23 220:5	229:4,18 231:20	tends
191:10 192:10	23:8,19 24:1,6,17	222:12,19 223:2,4	233:25 236:10	148:22
195:23 196:21	25:2,10,21 29:1	223:6,11,15,18,24	245:22 251:3,5	term
199:14 200:7,21	29:17 42:22 43:18	224:2,5,9,12,15	252:12,25 254:13	175:9 223:2 260:3
201:5 206:5 209:3	43:22 47:24 52:6	224:24,25 225:2,9	259:10 263:22	terms
209:5,10,11,17	57:17 59:25 60:1	225:14 229:6,7	266:5 268:25	4:21 12:24 20:25
210:5,24 211:10	65:14 66:19,23	230:22 232:6,19	269:2,15 271:14	23:18 28:18 29:19
211:14,23 212:18	67:13 68:16 69:8	233:9,14 234:1,11	273:15 276:8	43:3 47:23 61:24
213:1,9,17,23	69:9 70:17 76:20	234:22 235:24	285:6,9 299:10	62:22 82:15 84:1
214:21 219:14	77:12,22 78:2,5	237:3,21 246:3	300:14 305:17	91:15 106:19
223:10 225:20,24	78:11,20,20,22	247:23 249:5,20	309:24 318:21	116:10 118:19,25
229:1,4,5,5,5,7,11	79:21 80:3,22	251:9,16,22	321:3 325:15	131:20 181:10
229:15 230:16	81:11,17 82:13,16	255:21 256:3	talks	183:14 187:1
231:4,14 232:24	83:17 84:15,24	257:7 267:15	239:14 272:22	193:6 245:3
233:7 239:11	85:20 86:18 95:7	268:9 270:4,6,10	tasked	247:17 269:10
247:13,14 256:7	95:12,16,21 96:7	270:18 272:2,23	108:15	299:20 318:5
264:17 266:17	97:4,11,16,19,21	275:3,15,20	teach	333:22 334:12
267:6,13,18 268:2	100:13,22 102:14	283:21 285:10	96:12,25	336:17
268:3,3,5,8,11,12	103:4 104:3	287:9 288:13,17	teaching	terry
268:14,14,21,22	107:20 108:1	288:17,21 289:6	96:17,22 97:2	264:19,23 265:13
			<u> </u>	<u> </u>

				rage 393
265:15	textbooks	168:2 169:14	301:9,22 302:2,5	339:13 344:14
test	82:3 105:4	170:24 174:11,11	302:11,15,21	theyre
275:12 338:17	thank	176:8 177:8	303:4 304:7	32:11 71:19 79:15
tested	27:20 56:13 115:17	180:11 185:22	305:10	106:19 112:18
289:24 330:7,17,20	170:22 184:20	186:2 189:7 190:3	theme	114:16 144:11,16
testified	218:1 303:6	191:3 196:8	310:14	145:11 146:3
9:8 26:20,23 28:22	307:21,22 339:20	200:25 201:23	themes	148:8 156:21
29:1 63:10,12,13	341:6,9,10 345:1	203:24 205:1	5:3 35:22 36:9	174:11 176:8,11
63:14 65:16	345:2 346:14,15	206:23 207:21	theories	181:19 195:21,23
240:21 255:2,9	thats	213:19,25 214:2	92:1	204:6 278:4
266:7 316:4	14:23 23:22 31:6	216:23 217:2	theory	328:13 331:2,11
332:16	32:6 33:21 35:18	220:9 221:18	86:7,13,21,25 87:7	theyve
testify	36:23 38:22 39:12	224:18 225:9	87:13,16 201:10	132:15 317:17
42:11	43:16 45:22 53:23	228:1,6,6 232:2	201:16 210:25	thick
testifying	54:5 55:4 56:25	236:16 237:10,21	211:24 215:3	203:5
28:8 42:2 266:7	57:3,5,9 59:9 62:6	237:24 241:4	235:20,22,23	thing
testimonies	63:18 64:22 65:2	244:23 245:6	245:7,19 252:7	17:7 34:20 228:1,6
63:8,20 64:6,11	73:4 76:17,23	247:20 248:9	286:13 290:3,10	308:21
testimony	78:14,17 79:8	251:2,15,25 255:7	290:20 291:4	things
4:16 12:13 25:25	81:13 82:5 84:17	256:8,14 258:23	313:14	65:20 83:1 160:4
26:7,12,17 27:7	85:15 88:5 89:1	259:17 260:5,24	therapy	309:11 310:25
42:9 44:19 46:1	96:10 98:2 100:11	262:3,9 264:18	264:24 265:8,10	311:19 336:15,24
61:3 63:5,10,17	100:17,17,23,24	267:12 268:5	thereof	336:25 342:12
63:22 64:5,15,17	103:1 104:6	272:16 277:21	349:17	think
64:21 65:1,4,24	105:24 107:24	278:2 279:11	theres	11:11 12:14 13:9
68:16 71:16,23	108:15 109:14	281:1,25 282:14	13:21 34:17 39:18	13:13,16 14:2
92:23 109:14,18	111:14 112:3	284:9 286:21	50:12 56:5 74:1	16:22 18:13 21:24
142:24 145:24	114:1,18 115:5	288:23 290:7	80:22 89:3 93:20	22:21 24:4,20
207:2 222:19	116:16 120:1,10	291:15 292:5,16	94:22 119:9 125:5	25:13,17 34:24
224:17 227:20	121:13,13 122:12	293:4 295:4,19	125:18 141:23,24	41:10 42:11 43:10
231:22 234:3	122:13 123:20	296:9,22 297:13	151:16 154:12	46:4,13 50:9,20
240:14,21 255:13	125:2,4,21 127:3	298:6 300:2,21	166:20 174:19	52:8 67:17 69:15
331:24 347:4,5	129:17,24 130:2	301:16 303:23	176:14 178:7	70:2 71:18 73:4
349:6,7,11	130:15 134:1	305:7 307:2,4	192:17,22 209:13	77:17 79:8,25
testing	135:7 136:22	308:16 310:5,15	211:9 213:16	83:23 84:1,2,16
70:17 71:3 271:4	137:8 138:20	310:24 311:3,9,10	217:9 221:14	85:7 88:11,12
271:10 274:14	139:14 140:14	314:14 316:9	225:7 235:2	89:1,18,21 91:13
275:2,8,15,19,24	141:3 144:1,4,18	318:12 322:10,20	246:17 252:19,24	94:5,23 96:15,19
292:3 318:6,8	146:2,18 147:4	322:21,24 323:6	257:14 259:11	96:24 97:6,22
tests	149:8,17 151:13	324:23 330:2,17	260:14 267:15	100:1 105:3 108:7
86:20 87:7,13	151:22 152:25	332:15,19 333:21	268:4,4 278:8	112:9 113:18
273:19 274:2	154:10 155:1	334:3 335:14	280:16 296:20,20	114:7,16 115:25
330:22 340:8	157:4 158:25	336:3 337:23	306:14,18,19	116:5 119:11
texas	159:4,16 160:15	338:7 341:8 342:8	308:14 310:19	124:5 129:21
3:4	160:21 161:1,21	346:2,13	313:10 315:15	130:5 132:8 133:6
textbook	162:24 163:4	thayer	317:5 320:22	133:9 135:23
35:11 39:7,11,12	166:19 167:19	300:2,5,20,23	327:25 330:16	139:12 144:12
L	1	·	ı	1

				Page 396
145 10 146 4			200 2 10 10 210 7	L.,
145:10 146:4	2:6,7 8:13,13 19:2	22:13 23:5,12	209:3,10,19 210:7	tool
148:14 151:16	19:8,9,10,14,17	24:23,24 25:23	210:14 211:7,18	177:9
153:21 154:2	20:1,7,14,21 21:9	34:7 44:21 45:1,4	211:18,21,23	top
156:14 160:7	21:16,19 22:5,8	45:18 46:11 52:5	212:9,19,22 213:2	15:16 35:12,13
161:1 176:21	22:11,14 23:3,4,5	54:23 55:17,25	213:6 228:10	47:2 48:15 79:7
178:25 180:11	23:13,17 39:18	56:8 57:3,5,20	259:2 269:13	93:21 113:16
191:22 193:16,24	42:14,24 44:24	58:6 59:1,20 60:3	titanium	193:5
194:8,14 195:16	45:10 57:16 58:1	76:1 89:20 96:24	37:5	topic
198:13 200:2,18	58:15,24 102:14	98:12 99:13 100:2	title	46:7 67:18 115:6
203:4 204:17	103:13 271:20	104:6,9,18 105:5	37:1	123:20 193:22
205:1,18 206:8,10	thompsons	107:23 112:23	titled	194:4 266:25
207:4 208:18	21:12	139:4 151:2 156:1	4:20,24 5:3,6,7,8	272:1 305:17
211:16 217:9	thought	156:23 168:12	5:11,14,18 6:3,5,8	toss
218:5 219:19	15:14 88:10 105:24	171:25 182:10	6:10,13,17,20 7:3	139:17,23
220:9,17 222:23	132:5 160:8	185:13 186:4	53:9	total
224:18 225:7	182:19 222:3	188:24 191:11	today	16:11 59:1,20
228:13 229:9	223:20 237:17	192:16,18 215:15	9:22 11:18,19	301:15
230:23,24 235:23	252:14 263:9	229:1,7 233:2,11	12:18,22 13:2,13	totality
236:8,15 238:20	309:5 322:3	245:15 262:20	13:17,25 14:10,15	80:19 83:5 142:11
239:15 240:21	342:24	266:24 281:12	14:22 15:22 17:8	143:16 148:17
241:23 252:25	thousand	292:14 307:21	26:16 29:9,16	233:25 243:11
255:18 256:2,8	125:23 321:12,16	311:16,19 312:16	32:9 34:3 38:9	toxicologic
258:15 266:10	323:15	314:5,25 316:6,12	39:1 56:4 58:23	246:23
271:10 277:25	thousands	316:17 319:17	59:23 64:3 69:5	toxicologist
278:4 279:20	129:2	334:4 342:23	96:2,4,5,15 97:3	69:11,14,15,21
280:10 281:18	three	346:18	98:1 107:17	toxicology
283:25 284:3	28:6,15,17,17	timeline	109:15 115:3	247:5,7
285:8 288:25	58:22 131:8	314:6,7	116:4 120:17	trace
289:9 291:8	165:14,19 166:13	timely	122:17,25 144:19	276:14 288:12
293:10,16 296:8	170:5 203:13	297:4 298:13	183:22 223:20	289:5,23 290:20
306:18 309:5,10	204:24 288:19	times	233:25 243:18	291:4,13 292:7
312:12,25 314:2	319:24 325:20	33:11 82:3 83:11	250:23 266:3	tracer
315:14,18 317:5	330:10,24 331:7	140:6 186:6	282:16 284:4	205:12 206:5,13
318:19,24 320:16	threequarters	325:20 327:6	285:9 292:14	traces
320:22 325:8	316:18	tiny	309:4 312:8	88:24 90:1
326:5,9 327:6	threshold	203:16	todays	track
328:22 329:20	225:2,8 340:25	tipping	8:3 328:24	18:19 136:19
330:2,3 331:2,11	341:2	25:14 84:17 95:22	toilet	155:16
334:17 336:1	till	107:23	198:16	tract
338:20,22 340:23	168:18 222:24	tissue	told	45:20 87:24 88:17
341:7,14	tilted	212:15,17 230:18	24:5,7 45:3 65:25	88:25 197:22
thinking	203:23 204:1	258:10,11,12,20	97:11 104:20	198:15 201:4,25
24:13 149:2	time	258:22,25 259:5	135:2 148:15	208:22 216:14,17
third	8:4 10:11 16:23,23	291:12 314:21	153:21 196:15	216:20 231:6,16
47:6 100:5 101:18	17:3,4,16,19 18:1	318:16 329:22	266:3,6 330:3	trainee
160:18 338:9	18:4,10,16,19	337:9 340:16	tom	24:5
thompson	19:15 20:14,16	tissues	70:19	training
	<u> </u>	<u> </u>	<u> </u>	I

				rage 377
19:12 20:18 23:23	78:17 79:18,21	tuckerellis	279:7,16,17	181:23 184:24
23:24 83:12 110:9	85:15 91:19	2:17 3:21	309:24 333:1,20	221:18 223:9,10
transcribed	146:18 157:4	tumor	types	243:1 261:7
349:9	158:25 159:4	227:3	40:24 41:17,19	287:14 288:25
transcript	162:14 170:4	tumors	43:22 44:1 131:8	295:2,5 297:9
69:4 71:7	186:18 206:23	131:11,11 132:17	132:10,12 153:16	299:1,4,23 300:13
transcription	228:6 270:11	237:12 242:15	195:19 197:12	314:3 319:13
182:22 347:5	280:21 307:4	turn	220:13 259:1	320:6 323:2 326:4
349:11	316:9 343:17	82:4 105:22 115:13	277:9,10,10,12	331:24 332:17
transcripts	347:4 349:10	115:20 136:23	278:2	333:13 335:3
69:7,8,17,18,20	truly	190:18 191:5	270.2	understanding
transmitted	313:13	212:6 230:12	U	53:23 70:11 71:2
216:19	trust	234:24 243:17	ultimately	84:4 112:23 125:4
transport	149:25	250:19 332:23	134:6	126:22 127:3,4
203:19	truth	turned	unable	167:19 172:13
travel	184:19	17:21 255:10	14:19	193:17 194:9
197:24 313:15			unaware	206:24 210:10
	try	turning 74:1	129:10 231:2	
traveling 216:11	10:11,12 31:14 55:24 82:19 84:6		unc	215:21 245:6 247:25 294:21
		turns	4:11	
travels	87:5 97:7 104:18	286:14	uncertainty	299:16 300:21
197:20 215:4 216:1	132:5 158:6 209:7	two	281:14	310:5,24,25 311:3
216:15	238:2	6:18 15:25 20:22	unclear	311:5 338:12
treat	trying	20:25 22:25 26:19	13:3 183:1	understood
90:17	21:4 43:16 46:2,23	27:13 48:16 50:12	uncontrolled	10:6 15:2 35:3
treated	85:8 94:15 97:9	58:10 63:14 64:6	116:19 117:23	undertake
90:19 243:4	132:8 196:7 226:9	64:11 125:15	119:18	271:25 315:20
treatment	239:13,20 249:8	134:13 136:10		unfair
94:16 106:13 243:5	250:2 266:22	185:24 193:8,8	undergo 97:19 206:3	13:6 185:8,15,17
250:1	286:22 309:9,12	204:24 206:20		unfortunately
tremolite	339:5 344:21	207:11 230:14	undergoing	225:18
41:18 277:15,16	tube	242:8 252:24	255:4,5	united
trend	5:18 87:3 111:10	260:15 263:17	undergone	1:1 134:5
306:10	198:5,6 232:6,19	264:9 267:21	253:12	units
trial	233:10,15 234:12	271:14 274:11	underlie	62:1
26:17 30:10 63:10	234:22 317:23	281:22 295:11	112:22	university
63:12,13,14 64:4	318:8,9,10 334:1	308:21 316:17	underlying	19:11,22 20:15
64:15,23 65:3	tubes	325:20 330:17	179:12,23 180:10	60:19,25 61:10
68:15 69:7,17	97:20 199:15	twopart	180:14 298:2,3,4	62:11 67:4,6
165:10 278:8	200:22 204:24	22:7	underneath	95:19 96:5 113:17
290:24 291:2	207:18 211:17	twothirds	117:6 141:5 199:19	unknown
trials	212:8 215:6	171:13	understand	256:8 262:6
24:23 157:23	216:18 317:3,14	type	9:25 10:1 17:25	unmeasured
262:10	317:18 318:1	27:10,17 61:20	23:13 29:24,25	261:24
tried	319:1 320:15,17	145:3 147:10	35:7 41:7,23 51:3	updated
85:7,23 160:7	327:18	166:16 189:4	56:5 59:12 65:24	25:25 34:13 53:21
276:16	tucker	223:11,15 249:21	94:5 129:14 132:6	66:6,10 112:5,7
true	2:14 3:19	277:6,22 278:23	142:17 156:11	151:17
	<u> </u>		<u> </u>	<u> </u>

				rage 390
updates	206:24 209:4,11	215:5 216:18	97:24 165:6 324:11	3:14,21 6:19
56:2 252:19	213:9,17,23	326:17 327:4	325:11 332:22	wacker
uploaded	215:22 216:22	329:16,17 334:13	videographer	3:19
51:15	217:1 219:10,12	334:19	3:23 8:2 90:11,14	walk
upper	219:16 223:11	vaginal	177:19,22 259:20	14:2 124:11
149:11	225:25 226:7	193:19 203:6,12	259:23 308:1,4	want
uptodate	233:7 239:11	209:19 210:6,14	343:3,6 346:16	35:2,5 65:23 78:10
4:23 34:24 35:12	255:15,25 256:7	211:6,22 212:19	videotape	83:24,25 122:6
36:5	283:15,18 284:7	213:17,23	104:2	146:10 156:14
urethra	285:11 287:10	vague	videotaped	185:13 188:4
209:23,24 210:19	294:2 296:22	280:4 318:4	1:11 8:5	210:2 218:4
216:9,12,15	298:4,8 299:4	vaguely	view	234:10 240:17
urinary	300:21 302:24	70:25 103:11	12:16 44:14 249:5	241:9 268:12
216:14,20	303:18 313:2	validate	viewers	278:19 293:8
urination	323:3,8,22 324:10	145:7 215:9	104:3	294:1 307:7 308:8
209:25	324:25 325:11,25	valuable	views	
	324:23 323:11,23 332:11 337:1,4,7	valuable 177:9	115:7,10	308:16 312:21 336:2 341:18
usage	useful		viral	
6:21 264:24		value 62:1 135:23		wanted 109:4 156:13
use	296:10,22		263:10	
6:3,5,8,11,14,17	user	variables	virtually	305:16
7:9 22:17,22	344:6,16	260:25	79:15	wants
29:19 42:18 48:9	users	variation	virus	185:25 329:23,23
76:21 77:12,13,22	291:14	131:20	255:3 263:10	wash
77:23 78:1,3 79:4	uses	varies	visually	226:12
81:23 83:23 95:20	188:24 345:19	179:16 188:25	226:25	washington
96:7 97:16,21	usual	variety	vitae	3:14
107:20 113:3,4	311:3	105:3 119:9	5:10 13:18 54:23	wasnt
115:4 116:18	usually	various	55:19 56:3	18:16 24:13 101:3
117:25 119:24	176:23 197:7 243:4	114:20	vitro	103:7 104:8 200:3
127:21 128:5	296:19 318:13	vary	235:11 255:5,21	214:24 239:18
131:12 141:13	326:25 336:6	193:8 247:25	vivo	296:2,2 326:18
143:21 144:8,15	uterine	279:16 314:7	235:12	327:11 331:5
145:1 146:21	114:3 209:19 210:6	vast	volume	333:16 339:4
148:23 151:21	210:14 211:6,22	77:11 274:22	37:4 215:14	watch
153:23 154:22	212:19 213:18,24	vegetables	volumes	235:4,5
155:13 156:3,3,5	336:22	127:18	5:25 124:17	water
156:22,24 160:10	uterus	venter	vulva	326:16 327:8,9,21
161:4,14,15,23	89:6 198:5 203:20	205:2	89:5 197:25 210:21	way
166:15,22 167:17	211:17 212:8	verified	210:22 212:4	35:5 56:3 81:20
167:22,25 168:4,5	215:6 326:16,19	149:8	214:25 215:14,17	82:7 113:23
168:15,15 169:2	326:24 327:3	verify	vulvar	116:11 144:16
169:13,20,21,24		149:5,14	193:20 209:18	145:11 164:18
173:10 174:5,12	V	vermont	210:6,13 211:6,21	171:14 173:17
174:23 179:4	vagina	54:3	212:18 213:17,23	183:25 184:14
182:5,8 188:13	89:2,4 198:2 199:1	version		204:2 209:7 235:2
191:10,15,16	203:11 208:13	5:20	W	254:25 265:7
192:25 197:11	211:16 212:4,4	versus	W	313:16,24 324:7
				·

				Page 399
227.10 220.12 15	205.14	111.12 112.7	226.22 227.11 12	227.4 12 220.7
327:18 328:12,15	305:14	111:13 112:7	226:22 227:11,13	337:4,12 338:7
328:19 330:23	whats	113:7 114:1,23	228:13 231:8,18	339:2,13 340:4,19
339:20	109:18 178:15	115:9,22,25 116:8	232:2 234:7	341:2,10 342:20
ways	227:15 240:15	118:10 119:8	235:22 236:15,22	343:16,23 344:10
236:12 339:25	247:21 262:16	120:10 121:1	239:20 240:25	344:21 345:2,10
weak	276:12,17 334:6	122:12 123:9	244:3,11 245:22	345:24 346:7,14
128:17,21,23	whatsoever	124:5 125:12,21	246:9 248:18	348:3 349:5,7,12
129:12,14 130:7	69:3	126:9,19 128:12	251:2,12,25	wives
131:1	whichever	128:20 129:23	252:10 253:19	281:9
weaker	154:4	130:6,15 132:2	254:12 255:12,18	wolf
133:6,11,12,15	width	134:21 135:12	256:2,24 257:13	68:20,21,22 69:1,2
website	285:22	136:5 139:9,19,25	260:24 261:13,22	69:20
5:18	wish	140:9 141:2,21	262:3,9,16,24	woman
websites	91:9	142:10 143:1	263:6,21 264:13	79:16 92:9,18 93:6
107:18	withdraw	145:10,22 146:1	265:21 266:1,10	93:17 94:2 97:7
weigh	200:18 220:3	146:24 147:20	268:18 269:19	201:4 311:9,14
148:6,10	305:19	148:14 149:1,25	270:1,21 271:10	312:24 316:6
weighing	witness	150:7 151:25	272:4,22 273:6,23	317:24 319:20,20
165:5 177:4	8:10 11:14 12:20	153:11 154:2	274:5,20,25 276:7	320:19 344:4,14
weight	13:16 15:12 16:9	155:1,7 157:12,22	276:22 277:25	womans
82:19,21,21 85:8	16:15 18:13,20	158:18 163:13,21	278:16 279:2,13	87:23 88:16 188:13
111:23 119:12,13	25:13 26:5 28:11	164:24 166:19	279:20 280:5,19	188:24 189:10,17
140:14 148:11,15	30:17 33:21 38:5	167:6 168:8,18	281:1 282:9	197:21 214:18
148:16 263:17	38:13 40:2,18	169:8 170:24	283:11,25 284:12	216:9 231:5,16
264:5,9 305:13	41:4,23 43:2,16	172:12 173:13	284:19 285:7,16	323:4 328:9,16,20
weighting	44:9,20 45:3 46:6	175:1,21 176:7	286:18 287:15,25	women
180:11 181:9	46:22 50:9,19,20	177:8 178:12	288:8,16 289:16	22:17 23:20 24:18
wellqualified	51:21,24,25 52:16	179:16 180:2,24	290:17 291:8	52:4 67:14 76:19
115:6	53:2,16 54:8 58:4	181:15,23 182:16	293:16 294:3,21	77:11,22 78:1
wendy	60:5,14,18,21	182:21 183:11	295:8,13 296:8,19	79:3,4,5 90:17,19
4:22	61:5,9 65:19 66:9	185:18 189:7,15	297:13 298:25	91:2 93:8 95:20
went	70:7 71:18 72:1	192:7,21 193:16	299:9,15 301:8	96:6 97:10 123:6
24:20 40:6 144:19	73:4 75:10,18,25	194:8 195:16	303:23 306:18	128:7 129:2,5
162:22 163:3	76:10,23 78:17	196:18 197:1	307:2,22 309:17	132:20 134:5,6
248:10	80:18 81:13 83:23	198:18,25 199:10	310:13 312:4,12	141:25 157:18,19
wera	84:12 85:7,23	199:18 200:4,25	312:18 313:9,20	157:24 158:7,9
6:6,9	86:9,16,24 87:10	201:7 202:18	314:2,24 315:6,13	160:5,15,19,23
west	87:16 88:20 89:10	204:17 205:23	316:9 317:5,17	161:9,18,23 162:4
2:9	89:23 90:5 91:5	207:4,21 208:18	318:3,19 319:5	162:11,15,21
weve	91:13,22 92:4,11	209:13,22 210:10	320:1,8 321:15	163:1,16,18 164:2
11:3 33:25 49:16	92:20 93:1,8,19	210:18 211:9	323:12,18 324:1	164:4 165:3,4
65:21 88:2 90:23	94:4,22 95:4	212:2,21 213:4,12	324:16 325:14,22	166:4,7,13 167:24
153:14 168:2	96:10 99:12	214:24 215:13	326:3,11 328:22	168:3,5,14,23
177:16 185:13	100:17 102:4	216:4 219:3,18	330:15 331:2,11	169:3,12,20,23
223:19 233:24	103:1,16 104:14	220:17 221:4	331:20 332:4,9	174:20 191:10
237:8,20 258:14	105:10 106:2	222:23 223:14,19	333:13 334:15	197:5 203:13,22
297:18 304:4	108:7 109:17	224:5 225:7	335:3,17 336:1	204:2,13,24
			,	,,

205:21,25 206:14 206:18,24 207:5,6 works 609:134:5 171:4 148:1151:8 154:4 9:11 109:111:62 125:67 278:9 281:6 word 248:13,19					rage 100
206:18,24 207:5,6 207:18 208:22 207:18 208:22 216:14,20 225:13 226:16 225:13 226:16 228:10 282:11 256:7 278:9 281:6 281:10 282:11 286:10 282:11 286:13 317:14 320:2,20,23 321:11,16,21 321:14 2317:14 320:2,20,23 321:11,16,21 105:22 110:15 322:1,2,11,2,12,2 323:8 324:8,17 326:15,23 328:1,4 327:13 30:19 109:1 123:10 342:13 write 123:10 342:13 write 48:17 100:24 328:2 328:3 40:24 328:3 10:29 34:125 328:3 10:29 34:35 328:3 10:39 34:31 33:25 33:21 30:30 30:	205:21 25 206:14	107.8	28.15 29.3 39.20	144.17 20 147.1 4	2.17 17 4.3 8.17 17
207:18 208:22 216:14,20 216:12 216:14,20 226:16 231:14 237:11 232:13 26:16 231:14 237:11 89:3 19:11 192:24 175:25 176:3 15:25,17 16:10 231:14 237:11 283:7,15,18 89:3 19:17 20:2 21:18 186:3 187:21 26:2,6 27:20,21 284:13 309:20 296:9 63:5,25 78:3 234:10,25 238:7 236:16,21 232:12,211,211,22 254:17 299:5 106:8 169:12,21 232:12,211,211,22 254:17 299:5 166:8 169:12,21 232:12,213,213,22 245:7 265:16 169:23 191:11,11 260:3 261:3 238:14 232:23 232:19 245:7 265:16 169:23 191:11,11 260:3 261:3 238:14 232:23 232:1 245:7 265:16 169:23 191:11,11 260:3 261:3 263:2 260:9 263:13 250:44:12,23 250:9 341:25 295:11 309:21 274:5 277:19 252:19 53:7,18 250:24 232:2 248:20 342:3 296:9 328:5 288:3 293:3,11 288:5 288:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:5 298:5 288:	*				
225:13 226:16 vordshop 248:13,19 vers years					-
225:13 226:16 248:13,19 word 4:14 12:14 19:11 18:223 185:2,23 16:17 18:18 25:15 28:110 282:11 283:7,15,18 332:15 28:7,214 5:23 19:17 20:2 21:18 186:3 187:21 28:1,13 30:4,21 28:1,13 30:20 worth 52:21,22 60:10 231:2,818 233:22 34:23 34:21 225:2 519:4 33:3,22 34:21 320:2,20,23 328:1,1,6,21 105:22 110:15 102:13 129:3 25:6,12,25 31:6,407:5,19 32:11,16,21 105:22 110:15 102:13 129:3 25:6,12,25 41:6 42:1 43:5,12 32:12,2,11,21,22 154:17 219:15 106:8 169:12,21 254:13,23 257:18 43:20 44:12,23 33:7,19 345:18 345:21 write 226:17 235:7 271:14 272:6 50:22 518:22 33:37,19 345:18 345:21 writing 322:32 32:24 28:32 30:29 341:25 29:11 309:21 322:3 30:23 34:19 109:1 10:3 10:3 10:3 10:3 10:3 10:3 10:3 10:3					*
231:14 237:11 256:7 278:9 281:6 281:10 282:11 283:7,15,18 284:15 309:20 316:17,18 317:14 320:2,20,23 321:11,16,21 320:2,20,23 321:11,16,21 320:2,11,21,22 323:8 324:8,17 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,4 326:25,23 328:1,25 333:7,19 345:18 345:21 346:20 208:6,11,25 234:1 331:25 346:20 208:6,11,25 234:1 331:25 347:10 24 126:20 141:3 127:9 128:14 141:14 14:14 155:2 128:19 32:15 128:	,	_		*	· · · · · · · · · · · · · · · · · · ·
256:7 278:9 281:6 89:3 worst 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 24:9 26:21 23:23 25:14, 24:7 26:16 24:9 26:11 23:23 23:23 23:23 24:9 26:21 23:23 23:23 23:23 25:14 24:7 26:16 24:9 26:11 23:23 23:23 23:23 25:14 24:7 26:16 24:9 26:11 23:23 23:23 25:14 24:12 23:23 25:14 24:12 23:23 25:14 24:12 23:23 25:14 24:12 23:23 25:14 24:12 23:23 25:14 24:12 23:23 25:14 24:12 23:23 25:14 24:14:12.23 25:16 26:3 26:3 26:3 26:14 25:23 19:11,10; 20:24 26:17 23:57 27:14 27:26 50:22 5:18,22 23:23 25:18 25:20 208:6,11,25 23:11 23:23 25:24 23:24 28:59 287:22 25:10 25:21 23:23 25:18 25:22 248:20 34:23 24 28:29 33:23 24:23 24 28:59 287:22 25:21,9 33:7,18 32:25 25:21,9 33:7,18 32:25 25:21,9 33:7,18 32:25 25:21,9 33:7,18 32:23 25:21 25:21 20:19 32:22 23:22 24:11 27:26 50:22 5:18,22 23:23 25:18 25:22 248:20 34:23 24 25:24 24:23 25:24 28:29 23:23 25:18 26:32 24:23 24 28:29 23:23 25:18 26:32 24:23 24 28:29 23:23 25:18 26:32 24:23 24 28:29 23:23 25:18 26:32 24:23 24 28:29 23:23 25:18 26:32 24:29 25:21 20:19 30:22 24:13 30:23 30:24 32:24 28:29 23:23 30:23 30:24 32:32 24:13 30:23 30:24 32:32 24:13 30:24 32:32 24:13 30:24 32:32 24:13 30:24 32:32 24:13 30:24 32:32 30:24 32:32 24:13 30:24 32:32 24:13 30:24 32:32 24:13 30:24 32:31 33:13 31:33 31:		,			* *
281:10 282:11 283:7,15,18 283:15 309:20 316:17,18 317:14 296:9 worth 52:21;22 60:10 210:22,02,02 316:17,18 317:14 226:9 wouldnt 320:2,20,23 323:8 324:8,17 322:1,2,11,21,22 154:17 219:15 166:8 169:12,21 283:6 328:14 283:13 30:4;21 333:22 33:21 283:8 14 32:21 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:13 33:23 23:11 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:6 328:14 283:12 325:7 285:19 59:28 283:3 31:11 33:13 314:3 36:11 17:28 283:3 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 110:4 129:5 248:20 342:9 33:10 10:4 111:6 33:10 10:4 129:5 326:5 23:10 10:4 111:6 33:10 10:4 129:5 326:5 23:10 10:4 111:6 33:10 10:4 111:16 33:10 10:					
283:7,15,18 284:15 309:20 316:17,18 317:14 320:2,20,23 321:11,16,21 322:1,2,11,21,22 323:8 324:8,17 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 326:15,23 328:1,4 327:15,10,11 326:15,23 328:1,4 327:15,10,11 328:10,100 163:23 168:20 208:6,11,25 234:1 107:8 110:10 163:23 168:20 208:6,11,25 234:1 31:25 208:6,11,25 234:1 31:25 208:6,11,25 234:1 31:25 208:6,11,25 234:1 31:25 208:6,11,25 234:1 31:25 208:6,11,25 234:1 31:25 208:6,11,25 234:1 31:25 208:6,11,25 234:1 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:25 208:6,11,25 234:1 126:20 141:3 31:21 235:15 31:31 314:3 31:21 314:3 31:21 325:15 336:23 382:14 20:5 28:19 60:6,21 67:4 75:21,22 32:11 20:10 120:10,11 20:10 120:					, ,
284:15 309:20 316:17,18 317:14 296:9 worth 320:2,20,23 321:11,16,21 321:11,16,21 322:12,2,11,21,22 323:8 324:8,17 326:15,23 328:1,4 331:22 332:21,25 333:7,19 345:21 write words 331:05 wort 105:22 110:15 105:22 110:15 105:22 110:15 105:22 110:15 105:22 110:15 105:22 110:15 105:22 110:15 105:22 110:15 105:22 110:15 105:21 102:13 129:3 252:6,12,25 252:6,12,25 252:6,12,25 252:6,12,25 252:6,12,25 252:6,12,25 252:6,12,25 252:6,12,25 252:6,12,25 252:13,23 257:18 252:6,12,25 27:114 272:6 272:122				,	*
316:17,18 317:14 320:2,20,23 wouldnt 320:2,20,23 wouldnt 320:11,16,21 322:1,2,11,21,22 323:8 324:8,17 326:15,23 328:1,4 331:22 322:1,2,3 328:1,4 331:22 322:1,2,3 328:1,4 331:22 332:21,25 333:7,19 345:18 345:21 write 226:17 235:7 271:14 272:6 50:22 51:8,22 333:7,19 345:18 345:21 writing 320:24 232:24 285:9 287:22 54:10 525:1,10,14 55:10 110:41 129:5 248:20 342:9 wrote 331:25 326:15,23 249:1 331:25 248:27 249:1 331:25 248:27 249:1 331:25 248:20 342:9 wrote 320:24 323:24 320:24 323:24 320:24 323:24 320:24 323:24 320:24 323:24 320:24 323:24 320:24 323:34 331:25 331:25 331:25 331:25 331:25 331:25 331:25 331:25 331:25 331:25 331:25 331:25 331:25 331:27 335:6 331:37 335:6 331:37 335:6 331:17 33	, ,		,		,
320:2,20,23 321:11,16,21 322:1,2,11,21,22 323:8 324:8,17 326:15,23 328:1,4 331:22 332:1,4 331:22 332:1,4 331:22 332:1,4 331:23 322:1,25 333:7,19 345:18 345:21 write 107:8 110:10 107:8 110:10 107:8 110:10 163:23 168:20 208:6,11,25 234:1 331:25 vont 144:16 155:2 248:20 342:9 wrong 33:10 110:4 129:5 249:5,22 241:11 wrote 219:18 253:20 322:11 work 20:5 28:19 60:6,21 68:21 107:2 131:8 164:18 179:8 221:8 253:5,7 296:4 worked 16:17 160:14 16:17 160:14 16:17 160:18 221:1 281:9 330:22 18 40:23 164:18 179:8 221:8 253:5,7 296:4 worked 18:1 98:24 158:1 workers 330:23 103:9 30:21 321:10 281:9 330:23 103:9 330:23 321:10 322:13 322:12 323:8 40:23 323:15 101:20 323:14 1242:1 325:16:8 14 242:1 325:16:8 129:13 257:18 43:10 44:12,23 45:6 46:2,9,24 47:21 49:19 50:11 266:9 263:13 45:6 46:2,9,24 47:21 49:19 50:11 266:9 263:13 45:6 46:2,9,24 47:21 49:19 50:11 266:3 198:12,17 27:11 4 272:6 282:617 235:7 27:11 4 272:6 282:617 235:7 299:11 309:21 229:11 309:21 232:12 248:23 30:19 30:1 252:11 330:19 109:1 328:5 248:23 30:19 30:1 328:5 248:23 33:13 314:3 66:11 71:20 72:3 331:10 31:1 331:10 31:10:4 129:5 248:20 342:9 328:14 320:24 323:24 328:13 33:33 314:3 33:13 314:			7		
321:11,16,21 322:12,12,11,21,22 323:8,124,817 326:15,23 328:14 321:22 332:21,25 333:7,19 345:18 348:21 302:9 341:25 write 345:21 032:13 109:1 328:10 110:10 163:23 168:20 208:6,11,25 234:1 331:25 332:1 wont 163:23 168:20 208:6,11,25 234:1 331:25 208:6,12,5 234:1 331:25 208:3,12,21 208:2,12,12,12,12 208:2,12,21 208:2,12,21 208:2,12,21 208:2,12,22 208:2,12,22 208:2,12,22 208:2,13,2,22 208:3,3,11 209:2,2,3,3,11 209:2,2,3,3,11 209:2,2,3,3,11 209:2,2,3,3,11 209:2,2,3,3,11 209:2,3,1,2,1,2,1,2,1,2,2 209:2,3,1,2,2,2 20	*			7	
322:1,2,11,21,22 323:8 324:8,17 326:15,23 328:1,4 331:22 332:21,25 333:7,19 345:18 345:21 writing 336:23 102:9 341:25 337,19 345:18 345:21 writing 320:4 323:24 322:13 342:13 writing 117:13 30:19 109:1 123:10 342:13 written 133:125 48:17 100:24 126:20 141:3 33:25 yep 301:9 309:24 66:11 71:20 72:3 326:4 330:4 75:20 76:3,11 736:74:22 75:11 339:10 110:4 129:5 246:20 342:9 wrord 33:10 110:4 129:5 240:5,22 241:11 wrote 33:10 110:4 129:5 248:20 342:9	7 7				
323:8 324:8,17 326:15,23 328:1,4 331:22 332:21,25 333:7,19 345:18 345:21 writing 17:13 30:19 109:1 107:8 110:10 163:23 168:20 208:6,11,25 234:1 331:25 wont wont wont wont 33:10 110:4 129:5 2248:20 342:9 wrong 33:10 110:4 129:5 2248:20 342:9 wrong 33:10 110:4 129:5 229:12 120:10,11 words 219:18 253:20 322:11 321:13 342:8 39:10 122:13 342:8 11:3,9 11:3,9 11:3,9 11:41 164:18 179:8 211:8 253:20 322:13 31:8 149:17 160:14 296:4 worked 20:5 28:19 60:6,21 66:17 71:20 72:3 131:4 34:3 41:2 161:7 169:18 230:1 246:15 282:17 297:8 308:14 314:14 161:7 169:18 230:1 246:15 282:17 297:8 308:14 314:14 51:12 281:9 working 16:12 281:9 336:23 year 16:23 191:11,11 191:12,15,15 266:3 268:5 271:7 274:5 277:19 52:2,19 53:7,18 50:22 51:8,22 528:19 301:9 309:24 56:11,14 278:6 56:11,14 28:5 288:3 293:3,11 56:11,14 278:6 328:5 288:3 293:3,11 56:11,14 28:5 29:20 328:6 33:14 33:13 314:3 66:11 71:20 72:3 318:21 325:15 73:6 74:22 75:11 75:20 73:6 74:22 75:11 75:20 73:6 74:22 75:11 75:20 75:30 76:3,11 75:20 76:3,11 75:20 76:3,11 86:19 88:7 75:20 76:3,11 75:20 76:3,11 86:19 88:7 75:20 76:3,11 86:19 88:7 75:20 76:3,11 86:19 88:7 75:20 76:3,11 86:19 65:17,22 88:6 298:13 31:13 13:13 13:13 81:13 13:13 81:13 82:13 85:12,17 86:1,11 86:19 86:19 74:225 79:10 10:19 129:10 10:19 95:5 96:11 99:15 90:10 10:19 95:5 96:11 99:15 90:10 10:19 95:5 96:11 99:15 100:3,17 104:17 100:19 11 100:3,17 104:17 100:19 11 100:3,17 104:17 100:19 11 100:3,17 104:17 100:19 11 100:3,17 104:17 100:19 125 100:33 13 240:8 110:19 139:4 110:10 139:4 110:10 139:4 110:10 139:4 110:10 139:4 110:10 139:4 110:10 139:4 110:10 139:4 110:1					
326:15,23 328:1,4 331:22 332:21,25 333:7,19 345:18 345:21 writing 17:13 30:19 109:1 107:8 110:10 163:23 168:20 208:6,11,25 234:1 331:25 write 126:20 141:3 39:9 326:5 248:20 342:9 wrot 33:10 110:4 129:5 240:5,22 241:11 wrote 33:10 110:4 129:5 220:5 28:19 60:6,21 11:3,9 27:15 240:5,22 241:11 33:10 110:41 29:5 20:5 28:19 60:6,21 11:3,9 27:15 240:5,22 241:11 38:13 11:3,9 27:15 240:5,22 241:11 38:13 11:3,9 27:15 240:5,22 241:11 38:13 11:3,9 28:21 107:2 131:8 221:8 253:5,7 296:4 30:19 18:21 30:29 32:4:0 30:29 30:20 32:10 33:10 110:4 129:5 240:5,22 241:11 33:10 110:4 129:5 33:10 110:4 129:10 129:10 139:4 33:10 110:4 129:10 129:10 139:4 33:10 110:4 129:10 129:10 139:4 33:10 110:4 129:10 139:4 33:10 110:4 129:10 139:4 33:10 110:4 129:10 139:4 33:10 110:4 129:10 139:4 33:10 139:10 139:12:13 14:3 33:11 33:14:3 33:13 14:3 33:13 13:13 3				•	
331:22 332:21,25 33237,19 345:18 38:23 102:9 341:25 226:17 235:7 271:14 272:6 50:22 51:8,22 52:2,19 53:7,18 345:21 writing 320:24 323:24 285:9 287:22 52:2,19 53:7,18 320:24 323:24 285:9 287:22 52:2,19 53:7,18 320:24 323:24 285:9 287:22 52:2,19 53:7,18 320:24 323:24 328:3 293:3,11 56:11,14 58:5 316:23 168:20 written 331:25 48:17 100:24 48:17 100:24 48:17 100:24 48:17 100:24 48:17 100:24 48:17 100:24 331:25 326:4 330:4 75:20 76:3,11 75:20 7	,		,		7 7
333:7,19 345:18 38:23 102:9 341:25 writing 320:24 323:24 328:5	*		, ,		
345:21 writing 17:13 30:19 109:1 320:24 323:24 285:9 287:22 288:3 293:3,11 56:11,14 58:5 288:3 293:3,11 331:25 328:5 328:5 30:9 309:24 30:19 66:11,14 58:5 30:19 309:24 30:19 66:11,14 58:5 30:19 309:24 30:19 66:11,14 58:5 30:19 309:24 30:19 66:11,14 58:5 30:19 309:24 30:19 66:11,14 58:5 30:19 309:24 30:19 66:11,14 58:5 30:19 309:24 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 57:20 30:19 309:24 30:19 66:11,12 30:19 30:19 309:24 30:19 66:11,12 30:19 30:19 30:29 30:19 30:24 30:19 66:11,12 30:19 30:19 30:29 30:19 30:24 30:19 66:11,12 30:19 30:19 30:29 30:19 30:24 30:19 30:24 30:19 66:11,12 30:19 30:19 30:29 30:19 30:29 30:19 30:29 30:19 30:29 30:19 30:24 30:19 66:11,12 30:19 30:19 66:11,12 30:19 30:19 66:11,12 30:19 30:19 66:11,12 30:19 30:19 60:19 10:19 30:19 60:11,12 30:19 60:19 10:19 30:19 60:11,12 30:19 60:19 10:19 30:19 60:11,12 30:19 60:					
womens 17:13 30:19 109:1 328:5 288:3 293:3,11 56:11,14 58:5 107:8 110:10 123:10 342:13 yep 301:9 309:24 61:19 65:17,22 208:6,11,25 234:1 48:17 100:24 138:13,15 313:13 314:3 66:11 71:20 72:3 331:25 48:17 100:24 yesterday 318:21 325:15 73:6 74:22 75:11 wont 144:16 155:2 yield 331:17 335:6 77:1 78:18 80:23 89:9 326:5 248:20 342:9 york youve 85:12,17 86:1,11 word 70:12 120:10,11 york youve 85:12,17 86:1,11 33:10 110:4 129:5 248:20 342:9 youd 14:13,14 28:18,22 85:5,8,22 89:13 219:18 253:20 39:10 122:13 342:8 39:10 122:13 342:8 130:3 136:7 142:25 32:3 39:22 49:15 89:17,24 90:7,10 work 20:5 28:19 60:6,21 X 284:6 290:15 58:19 59:20 63:5 92:5,15,22 93:3 98:24 100:24 168:21 107:2 131:8 169:22 12:12 120:19 76:19 101:19 95:5 96:11 99:15 164:18 179:8 221:8 253:5,7 149:17 160:14 42:2 45:13 56:4 </td <td>,</td> <td></td> <td></td> <td></td> <td>*</td>	,				*
107:8 110:10	345:21	0			7 7
163:23 168:20 208:6,11,25 234:1 48:17 100:24 138:13,15 yesterday 318:21 325:15 73:6 74:22 75:11 75:20 76:3,11			328:5	· · · · · · · · · · · · · · · · · · ·	
208:6,11,25 234:1 48:17 100:24 yesterday 318:21 325:15 73:6 74:22 75:11 331:25 126:20 141:3 57:20 326:4 330:4 75:20 76:3,11 89:9 326:5 248:20 342:9 188:7 339:5 341:3 81:15 84:5,13 word york youve 85:12,17 86:1,11 240:5,22 241:11 wrote youd 85:12,17 86:1,11 words 39:10 122:13 342:8 130:3 136:7 142:25 32:3 39:22 49:15 89:7,24 90:7,10 219:18 253:20 32:11 X 236:5 275:17 51:9 53:13,24 90:16 91:6,18,24 20:5 28:19 60:6,21 1:3,9 1:3,9 68:21 107:2 131:8 12:22 21:2 120:19 76:19 101:19 95:5 96:11 99:15 98:24 100:24 yeah 16:17 169:18 230:1 246:15 91:16 14:19 15:10 104:20 107:3 99:19 100:19 106:1 1 23:8 40:23 339:10 122:13:8 16:17 72:1 73:2 233:13 240:8,18 106:5 107:11 worked 230:1 246:15 81:5 94:7 106:3,6 243:8 266:3 110:24 11:16 18:1 98:24 158:1 308:14 314:14 118:16,21 121:2 297:22 338:9 112:9 113:9,14 16:11 23:8 40:23 16:25 1	107:8 110:10	123:10 342:13			-
331:25	163:23 168:20		138:13,15		
wont 144:16 155:2 2 248:20 342:9 yield 188:7 york 240:5,22 241:11 331:17 335:6 339:5 341:3 youve 339:5 341:3 youve 9:18 11:8 13:12 86:19 87:4,11,21 18:10:19 18:19 87:4,22 87:15 87:17 87:18 80:23 87:18 11:18 13:12 19:14,14 18:15:12 119:14 18:15:12 119:14 18:15:12 119:14 18:15:14 11:15 110:	208:6,11,25 234:1	48:17 100:24		318:21 325:15	
89:9 326:5 248:20 342:9 wrong 188:7 youve 339:5 341:3 81:15 84:5,13 word 33:10 110:4 129:5 70:12 120:10,11 york 27:9 youve 9:18 11:8 13:12 86:19 87:4,11,21 89:17,24 90:7,10 89:17,24 90:7,10 89:17,24 90:7,10 89:17,24 90:7,10 89:17,24 90:7,10 99:19 100:19 99:19 100:19 99:19 100:19 99:19 100:19 99:19 100:19 10:15 10:15 10:	331:25	126:20 141:3	57:20	326:4 330:4	75:20 76:3,11
word wrong york youve 85:12,17 86:1,11 33:10 110:4 129:5 240:5,22 241:11 wrote 39:10 122:13 342:8 130:3 136:7 142:25 32:3 39:22 49:15 88:5,8,22 89:13 219:18 253:20 322:11 X X 236:5 275:17 284:6 290:15 51:9 53:13,24 90:16 91:6,18,24 20:5 28:19 60:6,21 1:3,9 youll 58:19 59:20 63:5 92:5,15,22 93:3 67:4 75:21,22 yeah 76:19 101:19 95:5 96:11 99:15 99:21 100:24 yeah 108:13 116:11 68:21 107:2 131:8 149:17 160:14 161:7 169:18 31:4 34:3 41:2 142:7,18,19 101:15 102:1,5 296:4 161:7 169:18 230:1 246:15 81:5 94:7 106:3,6 190:1 191:25 106:5 107:11 worked 282:17 297:8 308:14 314:14 18:16,21 121:2 233:13 240:8,18 108:9 109:20 51:12 281:9 336:23 122:15 123:9 340:23 112:19 113:9,14 working 16:11 23:8 40:23 129:16 132:8 129:16 132:8 129:16 132:8	wont	144:16 155:2	yield	331:17 335:6	77:1 78:18 80:23
33:10 110:4 129:5 240:5,22 241:11 wrote 39:10 122:13 342:8 219:18 253:20 322:11 work 20:5 28:19 60:6,21 67:4 75:21,22 98:24 100:24 108:13 116:11 164:18 179:8 221:8 253:5,7 296:4 worked 18:1 98:24 158:1 syoud 130:3 136:7 142:25 236:5 275:17 284:6 290:15 youll 12:22 21:2 120:19 139:25 youre 9:16 14:19 15:10 31:4 34:3 41:2 42:2 45:13 56:4 60:17 72:1 73:2 42:2 45:3 56:4 60:17 72:1 73:2 281:9 308:14 314:14 329:16 332:15 336:23 year 124:20 127:1 129:16 132:8 Z	89:9 326:5	248:20 342:9	188:7	339:5 341:3	81:15 84:5,13
240:5,22 241:11 wrote 39:10 122:13 342:8 youd 14:13,14 28:18,22 88:5,8,22 89:13 219:18 253:20 X 236:5 275:17 51:9 53:13,24 90:16 91:6,18,24 322:11 X 284:6 290:15 58:19 59:20 63:5 92:5,15,22 93:3 work Y youll 63:8 64:16 68:11 93:14,23 94:9,24 108:13 116:11 Yeah 12:22 21:2 120:19 104:20 107:3 99:19 100:19 164:18 179:8 149:17 160:14 9:16 14:19 15:10 142:7,18,19 103:3,17 104:17 296:4 161:7 169:18 60:17 72:1 73:2 233:13 240:8,18 106:5 107:11 worked 230:1 246:15 81:5 94:7 106:3,6 106:21,23 111:14 118:16,21 121:2 233:13 240:8,18 108:9 109:20 18:1 98:24 158:1 308:14 314:14 18:16,21 121:2 297:22 338:9 112:19 113:9,14 4workers 308:14 314:14 118:16,21 121:2 297:22 338:9 115:19 116:2,13 51:12 281:9 336:23 124:20 127:1 Z 118:12 119:4,14 16:11 23:8 40:23 10:25 10:10:20 129:16 132:8 <t< td=""><td>word</td><td>wrong</td><td>york</td><td>youve</td><td></td></t<>	word	wrong	york	youve	
words 39:10 122:13 342:8 130:3 136:7 142:25 32:3 39:22 49:15 89:17,24 90:7,10 219:18 253:20 X 236:5 275:17 51:9 53:13,24 90:16 91:6,18,24 work 20:5 28:19 60:6,21 X youll 63:8 64:16 68:11 93:14,23 94:9,24 20:5 28:19 60:6,21 Y youll 12:22 21:2 120:19 63:8 64:16 68:11 95:5 96:11 99:15 89:17,24 90:7,10 90:16 91:6,18,24 90:16 91:6,18,24 108:13 116:11 Yeah 12:22 21:2 120:19 104:20 107:3 99:19 100:19 108:13 116:11 68:21 107:2 131:8 149:17 160:14 161:7 169:18 142:7,18,19 103:3,17 104:17 296:4 161:7 169:18 230:1 246:15 42:2 45:13 56:4 190:1 191:25 106:5 107:11 worked 282:17 297:8 81:5 94:7 106:3,6 243:8 266:3 110:24 111:16 18:1 98:24 158:1 308:14 314:14 329:16 332:15 329:16 332:15 329:16 332:15 329:16 332:15 336:23 124:20 127:1 297:22 38:9 110:24 111:16 18:1 23:8 40:23 10:25 10:10:20 12:15 10:23:9 340:23	33:10 110:4 129:5	70:12 120:10,11	27:9	9:18 11:8 13:12	86:19 87:4,11,21
219:18 253:20 X 236:5 275:17 284:6 290:15 58:19 59:20 63:5 92:5,15,22 93:3 93:14,23 94:9,24 16:13,9 16:4:19 15:10 139:25 104:20 107:3 101:15 102:1,5 103:3,17 104:17 104:17 160:14 161:7 169:18 161:7 169:18 161:7 169:18 230:1 246:15 230:1 246:15 230:1 246:15 230:1 246:15 282:17 297:8 308:14 314:14 329:16 332:15 336:23 12:21 12:2 297:22 338:9 112:19 113:9,14 118:16,21 121:2 297:22 338:9 118:12 119:4,14 129:16 132:8 Z	240:5,22 241:11	wrote	youd	14:13,14 28:18,22	88:5,8,22 89:13
X X Y Y Yeah 108:13 116:11 164:18 179:8 221:8 253:5,7 296:4 Worked 18:1 98:24 158:1 Workers 51:12 281:9 Working 16:11 23:8 40:23 Morking 16:11 23:8 40:23 X X Year 10:12 13:8 16:11 23:8 40:23 Morking 16:11 23:8 40:23 X X Year 12:22 21:2 120:19 58:19 59:20 63:5 92:5,15,22 93:3 93:14,23 94:9,24 93:14,23 93:14,23 93:14,23 93:14,23 93:14,23 93:14,23 93:14,23 93:14,2	words	39:10 122:13 342:8	130:3 136:7 142:25	32:3 39:22 49:15	89:17,24 90:7,10
work x youll 63:8 64:16 68:11 93:14,23 94:9,24 20:5 28:19 60:6,21 67:4 75:21,22 76:19 101:19 95:5 96:11 99:15 98:24 100:24 yeah 139:25 104:20 107:3 99:19 100:19 164:18 179:8 149:17 160:14 16:17 169:18 16:17 169:18 16:17 169:18 10:17 10:16 139:4,5 103:3,17 104:17 296:4 161:7 169:18 230:1 246:15 282:17 297:8 60:17 72:1 73:2 233:13 240:8,18 108:9 109:20 18:1 98:24 158:1 308:14 314:14 329:16 332:15 336:23 106:21,23 111:14 279:23 292:3 110:24 111:16 19:10:19 10:24 111:16 10:27:17:11 10:27:17:11 10:27:17:11 20:12:10:10:10 336:23 12:15:12:12:12 297:22 338:9 11:2:19 113:9,14 10:11:10 10:15:10:10:19 10:15:10:10:19 10:15:10:19:10:19 10:15:10:19:10:19 10:11:10 10:15:10:10:19 10:15:10:11:19 10:15:10:11:19 10:15:10:11:19 10:15:10:10:19 10:15:10:10:19 10:15:10:10:19 10:15:10:10:19 10:15:10:10:19 10:15:10:10:19 10:15:1	219:18 253:20		236:5 275:17	51:9 53:13,24	90:16 91:6,18,24
20:5 28:19 60:6,21 67:4 75:21,22 98:24 100:24 108:13 116:11 164:18 179:8 221:8 253:5,7 296:4 worked 18:1 98:24 158:1 workers 51:12 281:9 working 11:3,9 12:22 21:2 120:19 139:25 youre 9:16 14:19 15:10 139:25 youre 9:16 14:19 15:10 110:16 139:4,5 142:7,18,19 104:20 107:3 110:16 139:4,5 142:7,18,19 104:24 105:12 104:24 105:12 106:5 107:11 108:9 109:20 110:15 102:1,5 104:24 105:12 106:5 107:11 108:9 109:20 110:16 139:4,5 110:19 110:19 129:16 132:8 110:16 139:4,5 110:19 100:19 104:20 107:3 110:16 139:4,5 110:16 139:4 110:16 139:4,5 110:16 139:4,5 110:16 139:4,5 110:16 139:4,5 110:16 139:4,5 110:16 139:4,5 110:16 139:4,5 110:16 139:4 110:16 139:4 110:16 139:4 110:16 139:4 110:16 139:4 110:16 139:4 110:16 13	322:11	X	284:6 290:15	58:19 59:20 63:5	92:5,15,22 93:3
67:4 75:21,22 yeah 104:20 107:3 99:19 100:19 108:13 116:11 164:18 179:8 110:16 139:4,5 101:15 102:1,5 221:8 253:5,7 149:17 160:14 161:7 169:18 149:17 160:14 161:7 169:18 160:17 72:1 73:2 233:13 240:8,18 108:9 109:20 worked 282:17 297:8 81:5 94:7 106:3,6 243:8 266:3 100:24 111:16 18:1 98:24 158:1 308:14 314:14 106:21,23 111:14 279:23 292:3 112:19 113:9,14 51:12 281:9 336:23 124:20 127:1 297:22 338:9 118:12 119:4,14 16:11 23:8 40:23 16:25 10:10 20 129:16 132:8 2	work		youll	63:8 64:16 68:11	93:14,23 94:9,24
98:24 100:24 Yeah youre 110:16 139:4,5 101:15 102:1,5 108:13 116:11 68:21 107:2 131:8 149:17 160:14 142:7,18,19 103:3,17 104:17 104:18 179:8 149:17 160:14 161:7 169:18 161:7 169:18 160:17 72:1 73:2 100:1 191:25 106:5 107:11 18:1 98:24 158:1 282:17 297:8 81:5 94:7 106:3,6 243:8 266:3 110:24 111:16 18:1 2 281:9 308:14 314:14 18:16,21 121:2 297:22 338:9 112:19 113:9,14 11:1 2 281:9 336:23 124:20 127:1 297:22 338:9 115:19 116:2,13 11:1 2 3:8 40:23 11:11 23:8 129:16 132:8 2 2	20:5 28:19 60:6,21	1:3,9	12:22 21:2 120:19	76:19 101:19	95:5 96:11 99:15
98:24 100:24 yeah yeah 108:13 116:11 164:18 179:8 110:16 139:4,3 101:13 102:1,3 164:18 179:8 49:17 160:14 31:4 34:3 41:2 142:7,18,19 103:3,17 104:17 221:8 253:5,7 161:7 169:18 42:2 45:13 56:4 190:1 191:25 106:5 107:11 296:4 161:7 169:18 230:1 246:15 81:5 94:7 106:3,6 243:8 266:3 108:9 109:20 18:1 98:24 158:1 282:17 297:8 308:14 314:14 106:21,23 111:14 279:23 292:3 112:19 113:9,14 51:12 281:9 329:16 332:15 122:15 123:9 340:23 115:19 116:2,13 working 16:11 23:8 40:23 124:20 127:1 29:16 132:8 22:15 123:9	67:4 75:21,22	T 7	139:25	104:20 107:3	99:19 100:19
164:18 179:8 221:8 253:5,7 296:4 worked 18:1 98:24 158:1 workers 51:12 281:9 working 16:11 23:8 40:23 68:21 107:2 131:8	98:24 100:24		youre	110:16 139:4,5	101:15 102:1,5
149:17 160:14 221:8 253:5,7 296:4 worked 18:1 98:24 158:1 workers 51:12 281:9 working 16:11 23:8 40:23 149:17 160:14 161:7 169:18 230:1 246:15 282:17 297:8 106:21,23 111:14 118:16,21 121:2 12:15 123:9 124:20 127:1 129:16 132:8 149:17 160:14 42:2 45:13 56:4 60:17 72:1 73:2 233:13 240:8,18 108:9 109:20 110:24 111:16 279:23 292:3 112:19 113:9,14 118:16,21 121:2 297:22 338:9 114:9 115:1,11,16 15:19 116:2,13 118:12 119:4,14 129:16 132:8 Z 120:12 121:3	108:13 116:11	v	9:16 14:19 15:10	142:7,18,19	103:3,17 104:17
296:4	164:18 179:8		31:4 34:3 41:2	144:18 155:2	104:24 105:12
296:4 161:7 169:18 230:1 246:15 230:1 246:15 230:1 246:15 230:1 246:15 243:8 266:3 110:24 111:16 18:1 98:24 158:1 282:17 297:8 106:21,23 111:14 279:23 292:3 112:19 113:9,14 workers 308:14 314:14 118:16,21 121:2 297:22 338:9 114:9 115:1,11,16 51:12 281:9 329:16 332:15 122:15 123:9 340:23 115:19 116:2,13 working 16:11 23:8 40:23 124:20 127:1 29:16 132:8 22:15 123:9	221:8 253:5,7		42:2 45:13 56:4	190:1 191:25	106:5 107:11
Workers 282:17 297:8 308:14 314:14 329:16 332:15 36:23 106:21,23 111:14 18:16,21 121:2 297:22 338:9 340:23 279:23 292:3 297:22 338:9 340:23 112:19 113:9,14 11:10 297:22 338:9 340:23 working 16:11 23:8 40:23 year 16:12 23:8 40:23 124:20 127:1 129:16 132:8 Z	296:4		60:17 72:1 73:2	233:13 240:8,18	108:9 109:20
workers 308:14 314:14 18:16,21 121:2 297:22 338:9 114:9 115:1,11,16 51:12 281:9 329:16 332:15 122:15 123:9 340:23 115:19 116:2,13 working 16:11 23:8 40:23 124:20 127:1 29:16 132:8 22:15 123:9 16:12 23:8 40:23 124:20 127:1 129:16 132:8 120:12 121:3	worked		81:5 94:7 106:3,6	243:8 266:3	110:24 111:16
51:12 281:9 329:16 332:15 122:15 123:9 340:23 115:19 116:2,13 working 16:11 23:8 40:23 122:16 132:8 2 2 2 2 122:15 123:9 124:20 127:1 122:16 132:8 122:15 123:9 124:20 127:1 122:15 123:9 124:20 127:1 120:12 121:3 120:12 121:3	18:1 98:24 158:1		106:21,23 111:14	279:23 292:3	112:19 113:9,14
51:12 281:9 working 16:11 23:8 40:23 329:16 332:15	workers		118:16,21 121:2	297:22 338:9	114:9 115:1,11,16
16:11 23:8 40:23 year 124:20 127:1 Z 120:12 121:3	51:12 281:9		-	340:23	115:19 116:2,13
10.11 25.6 40.25	working		124:20 127:1		118:12 119:4,14
60:4 65:21 82:7 16:25 19:19,20 139:19 141:17 zellers 122:14,23 123:1	16:11 23:8 40:23		129:16 132:8	·	120:12 121:3
	60:4 65:21 82:7	16:25 19:19,20	139:19 141:17	zellers	122:14,23 123:1
			l		

				Page 401
122.12.24.124.0	010.14.01.014.6.7	202.2 7 24 205:24	120.1 6 16 22	160.12.14
123:12,24 124:8	213:14,21 214:6,7	303:3,7,24 305:24	139:1,6,16,22	160:13,14
124:15 125:14,22	215:2,18 216:6	306:1,23 307:3,19	140:1,7,7,11	1490
126:11,21 127:15	217:5,20,21 218:4	341:17,19 343:15	186:3	2:9
128:14,22 129:7,9	218:7,10,12,21	343:22 344:9,20	100	15
130:1,9,16 132:4	219:5,21 220:2,21	345:5,11 346:15	166:4,13 332:23	5:10 54:25 55:8,10
135:1,15 136:8	221:10 223:1,16	0	333:2,18	55:11 184:22
139:15,21 140:5	223:23 224:7		100c	185:20 186:3
140:10 141:4	225:10 227:6,17	0	37:14	187:2,17 286:4,7
142:3,5,12 143:4	228:18,22 230:3,7	171:20	102	305:3 341:11
144:6 145:18	231:12,21 232:3	000	5:14	1500
146:6 147:2,15,16	234:9 236:4,18	134:5 166:4,13	11	237:11,12 239:9
147:22 148:18	237:1,17,24 238:1	168:23 321:22	4:10 5:5 32:19	1508
149:4 150:2,8,23	238:13,22 239:17	322:11 323:8,9	47:18,20 48:14	229:23 230:12
151:19 152:2,6,11	239:23 240:11,16	324:2,17	73:9,11 90:13,15	152
152:18,21 153:3	241:3 244:6,16,18	03	137:20,21 214:2	6:5,7
153:12 154:8	245:24 246:11	1:15 8:4	110	153
155:5,8 156:7,10	248:23 251:6,13	04	5:17 321:22	6:10
156:16,18 157:16	251:18,20 252:1	90:13,15	112	159
158:3 159:8,10,21	252:13 253:21	079321047	3:4	6:13
163:14 164:1,8,13	254:6,10,15	2:20	1123	15th
165:1 166:24	255:14,22 256:4	07962	5:25	53:20
167:8 168:10,19	257:3,20 258:1,17	3:9	113	16
169:11 170:20,23	258:19 259:19		5:21	4:11 5:11 99:15,18
171:1 172:20	260:1 261:1,15,23	1	12	162738
173:15 175:7,8,23	262:4,11,19 263:1	1	5:6 49:17,18 73:11	1:7 348:4
176:10 177:10,18	263:8 264:3,15	4:10 5:22 7:7 11:4	111:17,18 112:14	16th
177:24 178:14	265:23 266:2,12	11:5 33:15 77:15	177:20,21 209:4	16:22 68:8,9 81:9
179:20 180:3	267:23 268:1,20	93:20 100:5	209:11	17
181:1,17 182:1,18	269:22 270:2,15	102:19 112:16,16	120	5:14 102:2,3
182:25 183:2,13	270:23 271:13	112:17,17 113:16	124:24	237:19 239:12
183:20 184:5	272:5,24 273:8,24	124:17,25 128:9	124.24	323:9,15,21 324:8
185:5,12,17 186:5	274:7,21 275:1	128:16 129:11,19	124:17	
186:19,22 187:7	276:9,24 278:1,18	130:12 137:6,9,24	124.17	325:3,4,10,24 170
187:13 188:22	279:3,15,22 280:6	170:7 171:18		
	* *	172:3,6,15,19	5:23	102:20
189:8,18 190:10	280:20 281:2 282:13 283:14	174:19 177:21,23	12th	174
192:11 193:1,21		191:7,9,11,11	48:6 64:7	239:3,4,5,25 241:7
194:11 195:24	284:5,14,21	192:3 193:5,6	13	1780
196:20 197:9	285:17 286:20	224:15 239:12	5:7 51:6,7 74:1	281:10
198:20 199:2,12	287:18 288:2,10	285:22 286:4,4,7	322:11 323:7,15	17th
199:22 200:10	288:24 289:18	321:22 322:7,11	324:2,11,19	20:4 56:23
201:1,8,13,15,21	290:18 291:11	323:8,9 324:2,2	136	18
202:20 204:21	292:21 293:6,15	323.8,9 324.2,2	6:3	5:17 48:22 110:22
205:24 206:16	293:21,25 294:5	10	14	110:23 111:18
207:9,23 208:20	295:1,9,14 296:12	5:4 37:7,9,11,19,24	5:8 32:19 53:6	112:4,4
209:15 210:1,12	296:23 297:15	40:21 90:12,13	134:5 183:7	1800
210:23 211:4,13	299:3,11,17 300:1	137:16 138:20,22	184:10,17	3:4
212:11,24 213:7	300:8 301:10	137.10 138:20,22	1414	19
		l	l	I

15:21 27:19 113:12					Page 402
113:13 115:15,21 246:18 190 56:23 57:24 59:22 79:96 93:10,15,20 112:17 117:17 176:24 169:16,17 194:25 224:1 169:16,17 194:25 225:3 234:20:22 282:3,11 304:8,11 169:16,17 194:25 232:22 284:2 1970 283:22 284:2 1975 232:24 42:20 44:11 96:25 334:5 1975 232:24 42:20 44:11 96:25 334:5 1975 232:24 50:25 132:24	5 21 27 10 112 12		1 240 24	154 11 150 2	220
246:18					
190	•	2			
6:17		4:11 16:5,8 17:19			
1948		56:23 57:24 59:22			
1948	6:17	79:6 93:10,15,20		7	153:2 205:21
246:1 169:16,17194:25 2012 202:2 282:3,11 304:8,11 304:17 306:7 341:22 2011 302:2 5324:2 2015 282:2 182:2 284:2 2015 282:2 383:2 284:2 2075 283:23 101:20 283:14 283:17:18 273:18	1948	* *	254:7,9	300:23 301:22	206:11 207:6,22
1961 202:2 202:2 202:3 13 04:8,11 146:14 147:24 2019 160:12 170:7 148:3,21 165:20 148:3,21 165:20 148:3,21 165:20 18:6 27:10,18,22 17:118 172:3,6,15 172:19 34:12 200 25:11 25:24 26:15 202 26:4 24:11 26:15 200 26:25 23:45 24:20 24:11 24:13 14:24 24:13 14:24 24:13 14:25 25:48,10 25:15 25	246:1		2010	302:6,11,15,21	209:3,10
202:2 1967 304:17 306:7 304:17 306:7 304:17 306:7 304:17 306:7 304:12 2011 148:3,21 165:20 114.4:12 8:3 17:18 160:12 170:7 17:11 52:22 56:22 2013 228:24 42:20 44:11 96:25 334:5 17:11 52:22 56:22 17:11 52:22 56:22 17:11 52:22 56:22 17:11 52:22 56:22 10:3 205:15 2014 205:15 2014 205:15 2014 205:15 2014 205:15 2004 10:8,23 113:16 30:9 2005 10:15 2000 10:8,23 113:16 20:11	1961		37:5 107:1 146:12	304:7	25
1967 304:17 306:7 341:22 2011 18:6 27:10,18,22 171:18 172:3,6,15 172:19 304:7,17 18:6 27:10,18,22 171:18 172:3,6,15 172:19 304:7,17 172:19 304:7,17 172:19 30:19 30:19 172:19 30:19 30:19 172:19 30:19 30:19 30:19 30:	202:2	•	146:14 147:24	2019	6:13 159:18,20
47:15 1976 283:22 284:2 1975 5:23 16:11,16 17:11 52:22 56:22 29:18 3 101:20 282:14 112:5 252:48,16 250 253:15 254:10,18 349:19 265:15 200 265:15 202 4:13,15,176:17 265:112 1971 191:11 191:11 191:11 191:12 1979 200 125:15 2000 168:20 169:1,15 2000 168:20 169:1,15 2000 168:20 169:1,15 2000 168:20 169:1,15 2000 168:20 169:1,15 2000 184:24 37:3,18 246:12 246:12 246:12 246:12 246:12 246:12 246:12 246:12 2738 2738case 273	1967		148:3,21 165:20	1:14 4:12 8:3 17:18	160:12 170:7
1970s 283:22 284:2 1975 2523 16:11,16 17:11 52:25 56:22 2013 253 34:5 1976 17:11 52:25 56:22 59:21 78:3 101:20 264:19,23 265:13 349:19 266:1976 4:13,15,17 6:17 17:16 190:8,9 191:6 17:16 190:8,9 191:6 1979 1979 200 122:7 160:4,22 166:12,22 167:18 168:13,18 168:13,18 188:1,18 188:1,13 188:1,18 188:1,112 1993 1994 248:12 1995 178:2 182:14 183:5 17996 229:10,23 188:13 183:3,8,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 181:7,12 200834000001	47:15		2011	18:6 27:10,18,22	171:18 172:3,6,15
283:22 284:2 5:23 16:11,16 282:14 112:5 252:48,16 25:31 6:24 2013 26:23:15 254:10,18 81:24 202 81:24 26:51:5 26:51:5 26:51:5 26:51:5 26:51:5 26:51:5 202 4:13,15,17:6:17 112:16 190:8,9 19:66:8 167:3,15 19:12,15 19:12,15 201 3:15 112:16 190:8,9 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:6 19:8 19:6 19:6 19:8 19:6 19:6 19:8 26 4:13,15,17 6:17 112:16 190:8,9 19:6 19:6 19:8 26 4:13,15,17 6:17 112:16 190:8,9 19:6 19:6 19:6 2700:8 2670058 19:6 260008 21 114:5 121:11,20 21 26:3 115:14,15 2670058 21 26:0058 31:14 20:16 23:15 20:16 23:15 20:16 23:15 20:16 23:15 21:17 27:35:24 36:9	1970s		47:3,10 280:11		
1975					*
23:24 42:20 44:11 96:25 334:5 124:13,14,24 137:13,16 138:24 139:1,5,16,22 140:1,6,12 191:11 191:12,15 1979 200 122:7 160:4,22 136:3,149 137:10,120 122:7 160:4,22 136:13,18 12000 122:7 160:4,22 136:3,149 137:10 136:3,4,9		-			
96:25 334:5 1976 166:8 167:3,15 1982 1983 1984 124:6 124:6 129:10:5 1988 184:25 129:5 1988 184:21 1893 99:1,13,23 101:1 246:1 187:3,18 1994 248:12 1899 178:2 182:13 183:3,8,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:16,21 185:19 187:2 182:13 183:3,8,18 184:23 185:21 183:3,7 184:7,10 184:16,21 185:19 187:2 2008 126:15 2014 265:15 2014 265:15 2014 265:15 2014 265:15 2014 265:15 2014 265:15 2014 265:15 2014 265:15 2014 25:22 26:24 64:7 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2103:8,23 113:16 2104:5,22 166:43,49 137:10 22660 166:10,31,9 160:4 220 2105 2106 246:12 246:12 246:12 246:12 246:12 246:13,15,17 6:17 112:16 190:8,9 191:6 2313:2:2 2670058 210:207 210:33:33:2 2670058 227 266:24:46:7 246:12 2107 210 227 238 211 2738 227 2738case 218 27516 218 222 28 244 21 218 222 28 28 27516 2199 214:2,6,20 237:16 249:1 251:8 229:10,23 299 7:6 292:20,21,24 297:18 292:10,23 299 7:6 292:20,21,24 297:18 230 232 232 232 212:25 236 246:12 230 232 232 212:25 236 232 232 232 232 232 232 232 232 232				*	
1976			•		-
166:8 167:3,15 139:1,5,16,22 139:1,5,16,22 103:1,5,16,22 103:1,5,16,22 103:1,5,16,22 103:1,5,16,22 103:1,5,16,22 103:1,5,16,22 103:1,5,16,22 103:8,23 113:16 313:2 2670058 3:9 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 2670058 3:9 19:6 3:9 2:1 2:					
19782005					*
51:12 191:12,15 114:5 121:11,20 21 3:9 2692343 97:1 205:2 125:15 161:6,13,19 162:4 136:3,4,9 137:10 2:5 2692343 1982 2000 168:20 169:1,15 136:3,4,9 137:10 2:5 2692343 166:12,22 167:18 2000 168:20 169:1,15 173:21 207:18 27 27 168:13,18 200041454 2015 205 2005 2016 270 2738 1984 124:6 48:9 51:15 77:2,15 211 2738 2738 1988 184:23 185:21 190:5,14 219:25 2:16 348:2 27516 1993 2004 16:13 19:1 25:4 2:4 2:4 1:18 299:1,13,23 101:1 2005 144:18 146:19 6:5 52:21 134:4 1:18 248:12 166:8 170:12 171:5 22 28 248:12 166:8 170:12 171:5 2201 201 201 201 202 203 17:2,4 259:21,22 29 7:6 292:20,21,24 297:18 <td< td=""><td>-</td><td></td><td></td><td></td><td></td></td<>	-				
1979		, ,	· · · · · · · · · · · · · · · · · · ·		
97:1 205:2 125:15 161:6,13,19 162:4 136:3,4,9 137:10 2:5 1982 2000 168:20 169:1,15 246:12 305:20,24 306:7 27 1983 3:14 2015 210 270 50:2 101:5 2000s 2016 3:5 321:22 1984 124:6 48:9 51:15 77:2,15 1:17 8:7 49:25 2003 159:11,19 160:3 2:10 2738case 1988 184:23 185:21 190:5,14 219:25 2:16 348:2 246:1 187:3,18 2017 2:18 27516 1993 2004 16:13 19:1 25:4 2:4 2:8 248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 2:3 33:15 40:13 248:12 166:8 170:12 171:5 220nd 25:11,17 253:15 27 1996 29:10,23 2007 25:11,17 253:15 16:20,22,25:17:1 17:2,4 259:21,22 29 182:13 183:3,8,18 184:7,11,18 184:6,21 185:19 49:7 55:3,22 56:1 232 23 <td></td> <td></td> <td>· · · · · · · · · · · · · · · · · · ·</td> <td></td> <td></td>			· · · · · · · · · · · · · · · · · · ·		
1982 2000 168:20 169:1,15 173:21 207:18 27 166:12,22 167:18 7:7 165:24 246:12 305:20,24 306:7 6:20 230:5,6 1983 3:14 27:2,7 35:24 36:9 3:5 321:22 50:2 101:5 2000s 2016 211 2738 1984 124:6 48:9 51:15 77:2,15 1:17 8:7 49:25 2003 159:11,19 160:3 213 2738case 1988 184:23 185:21 190:5,14 219:25 2:16 348:2 246:1 187:3,18 2017 218 27516 1993 2004 207:24 26:8 44:6 56:23 22 28 246:12 247:6 2005 144:18 146:19 6:5 52:21 134:4 1:18 248:12 26:24 206 15:15,20 152:12 171:2,4 259:21,22 29 1995 2007 214:2,6,20 237:16 25:211,17 253:15 27:16,22 297:18 1996 29:10,23 2008 49:2 135:16 182:12 188:2,2,11 26:8,16 171:3 343:4,5 2a				7	
166:12,22 167:18 7:7 165:24 246:12 305:20,24 306:7 6:20 230:5,6 1983 3:14 27:2,7 35:24 36:9 3:5 321:22 50:2 101:5 2000s 2016 211 2738 1984 124:6 48:9 51:15 77:2,15 1:17 8:7 49:25 2003 184:23 185:21 190:5,14 219:25 2:16 348:2 246:1 187:3,18 2004 16:13 19:1 25:4 2:4 2:18 27516 1993 2004 16:13 19:1 25:4 2:4 2:18 27516 99:1,13,23 101:1 207:24 26:8 44:6 56:23 22 28 7:3 33:15 40:13 1994 2005 144:18 146:19 6:5 52:21 134:4 238:14,18 152:10,12,16 238:11,12 239:3 1995 178:2 182:14 183:5 2007 214:2,6,20 237:16 25:211,17 253:15 27:16,22 29:18 299:10,23 2007 214:2,6,20 237:16 26:21 31:20 48:22 23 27:16,22 297:18 182:13 183:3,8,18 184:16,21 185:19 184:16,21 185:19				* *	
168:13,18 200041454 2015 210 270 1983 3:14 27:2,7 35:24 36:9 3:5 321:22 1984 124:6 48:9 51:15 77:2,15 1:17 8:7 49:25 2003 184:23 185:21 159:11,19 160:3 1:17 8:7 246:1 187:3,18 2017 218 27516 1993 2904 207:24 26:8 44:6 56:23 2:4 2:4 1:18 246:2 247:6 2005 144:18 146:19 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 151:15,20 152:12 171:2,4 259:21,22 29 248:12 166:8 2007 214:2,6,20 237:16 252:11,17 253:15 252:11,17 253:15 252:11,17 253:15 252:11,17 253:15 252:11,17 253:15 252:11,17 253:15 27:16,22 297:18 182:13 183:3,8,18 184:16,21 185:19 182:2,11 26:8,16 171:3 343:4,5 2a 184:7,11,18 184:16,21 185:19 187:16 237:3,18 26:24 58:2 68:9 232 232 25:5 <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
1983 3:14 27:2,7 35:24 36:9 3:5 321:22 1984 124:6 48:9 51:15 77:2,15 1:17 8:7 49:25 2003 184:23 185:21 187:3,18 2017 218 27516 1993 99:1,13,23 101:1 246:2 247:6 248:14 251:3 28:14,18 2005 248:14 251:3 28:14,18 2006 248:14 251:3 2006 248:12 2995 229:10,23 2996 229:10,23 182:13 183:3,8,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 184:7,11,18 187:16 237:3,18 27:2 200834000001 27:26 233 233 21:22 2738 321:22 221 222 222 223 233 223 233 223 233 233 232:22 233 233 232:22 233 233				•	*
50:2 101:5 2000s 2016 48:9 51:15 77:2,15 1:17 8:7 49:25 2003 184:23 185:21 159:11,19 160:3 213 2738case 1988 184:23 185:21 190:5,14 219:25 2:16 348:2 27516 246:1 187:3,18 2004 207:24 26:8 44:6 56:23 2:4 2:18 27516 99:1,13,23 101:1 207:24 26:8 44:6 56:23 2:4 2:4 1:18 246:2 247:6 2005 144:18 146:19 15:15;20 152:12 6:5 52:21 134:4 7:3 33:15 40:13 1994 2006 15:15;20 152:12 170:12 171:5 22nd 7:6 292:20,21,24 248:12 166:8 2007 252:11,17 253:15 27:16,22 297:18 1995 2007 214:2,6,20 237:16 249:1 251:8 2018 23 29 182:13 183:3,8,18 183:3,7 184:7,10 18:2,2,11 26:8,16 171:3 343:4,5 2a 184:7,11,18 184:16,21 185:19 185:19 26:24 58:2 68:9 232 232 232 <t< td=""><td>1</td><td></td><td></td><td></td><td></td></t<>	1				
1984 2003 48:9 51:15 77:2,15 1:17 8:7 49:25 2003 184:23 185:21 159:11,19 160:3 213 2738case 246:1 187:3,18 2004 2017 218 27516 1993 2004 207:24 26:8 44:6 56:23 22:4 2:8 27516 99:1,13,23 101:1 207:24 26:8 44:6 56:23 22:4 28 28 248:14 251:3 2005 144:18 146:19 152:10,12,16 238:11,12 239:3 28:14,18 152:10,12,16 238:11,12 239:3 1995 2007 214:2,6,20 237:16 252:11,17 253:15 27:16,22 29 297:18 1996 249:1 251:8 2008 16:20,22,25 17:1 6:7 152:57,13,16 7:6 292:20,21,24 299:10,23 1999 49:2 135:16 182:12 18:2,2,11 26:8,16 171:3 343:4,5 2a 292 182:13 183:3,8,18 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 230 125:5 1st 187:16 237:3,18 81:9 104:10,19 37:14					
49:25 2003 159:11,19 160:3 213 2738case 246:1 187:3,18 2004 16:13 19:1 25:4 218 27516 1993 2004 207:24 26:8 44:6 56:23 22 28 248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 151:15,20 152:12 170:12 171:5 22nd 29 248:12 166:8 170:12 171:5 22nd 7:6 292:20,21,24 1995 2007 214:2,6,20 237:16 249:1 251:8 2018 27:16,22 297:18 1996 249:1 251:8 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 292:20,21,24 29:10,23 49:2 135:16 182:12 18:2,2,11 26:8,16 171:3 343:4,5 2a 29 182:13 183:3,8,18 18:2,13,7 184:7,10 184:16,21 185:19 6:24 58:2 68:9 232 125:5 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 125:5					
1988 184:23 185:21 190:5,14 219:25 2:16 348:2 1993 2004 16:13 19:1 25:4 2:4 1:18 99:1,13,23 101:1 207:24 26:8 44:6 56:23 22 28 248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 151:15,20 152:12 170:12 171:5 22nd 7:6 292:20,21,24 248:12 166:8 252:11,17 253:15 27:16,22 297:18 178:2 182:14 183:5 2007 214:2,6,20 237:16 249:1 251:8 2018 27:16,22 297:18 299:10,23 2098 49:2 135:16 182:12 183:3,7 184:7,10 18:2,2,11 26:8,16 171:3 343:4,5 2a 182:13 183:3,8,18 184:6,21 185:19 26:21 31:20 48:22 230 125:5 18t 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25					
246:1 187:3,18 2004 2017 2:4 2:4 1:18 99:1,13,23 101:1 246:2 247:6 2005 144:18 146:19 6:5 52:21 134:4 7:3 33:15 40:13 248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 151:15,20 152:12 170:12 171:5 22nd 7:6 292:20,21,24 248:12 2007 214:2,6,20 237:16 252:11,17 253:15 27:16,22 297:18 1996 249:1 251:8 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 292:20,21,24 299:10,23 2008 183:3,7 184:7,10 18:2,2,11 26:8,16 171:3 343:4,5 2a 184:7,11,18 184:16,21 185:19 184:16,21 185:19 56:24 58:2 68:9 232 125:5 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 20884000001 148:3,11,20 233 122:25		2003	· · · · · · · · · · · · · · · · · · ·		
1993 2004 2004 26:8 44:6 56:23 22 28 99:1,13,23 101:1 246:2 247:6 2005 144:18 146:19 6:5 52:21 134:4 7:3 33:15 40:13 248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 151:15,20 152:12 171:2,4 259:21,22 29 248:12 166:8 170:12 171:5 22nd 7:6 292:20,21,24 1995 214:2,6,20 237:16 252:11,17 253:15 27:16,22 297:18 299 249:1 251:8 2008 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 1999 49:2 135:16 182:12 49:2 135:16 182:12 49:7 55:3,22 56:1 171:3 343:4,5 2a 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 125:5 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 20834000001 148:3,11,20 233 122:25		184:23 185:21	· · · · · · · · · · · · · · · · · · ·		
99:1,13,23 101:1 207:24 207:24 207:24 26:8 44:6 56:23 22 28 248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 166:8 151:15,20 152:12 171:2,4 259:21,22 29 1995 178:2 182:14 183:5 2007 214:2,6,20 237:16 252:11,17 253:15 27:16,22 297:18 1996 249:1 251:8 2008 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 229:10,23 49:2 135:16 182:12 183:3,7 184:7,10 184:16,21 185:19 183:3,7 184:7,10 184:16,21 185:19 26:24 58:2 68:9 232 126:6,12,23 127:7 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 125:5		187:3,18			
246:2 247:6 2007.24 2008 144:18 146:19 6:5 52:21 134:4 7:3 33:15 40:13 248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 151:15,20 152:12 171:2,4 259:21,22 29 1995 166:8 2007 214:2,6,20 237:16 252:11,17 253:15 27:16,22 297:18 1996 249:1 251:8 2008 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 229:10,23 49:2 135:16 182:12 183:3,7 184:7,10 184:2,2,11 26:8,16 171:3 343:4,5 292 182:13 183:3,8,18 183:3,7 184:7,10 184:16,21 185:19 184:16,21 185:19 6:20 2b 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 208834000001 148:3,11,20 233 125:5		2004			
248:14 251:3 28:14,18 147:3,6,23 151:15 152:10,12,16 238:11,12 239:3 1994 2006 151:15,20 152:12 171:2,4 259:21,22 29 248:12 166:8 2007 252:11,17 253:15 27:16,22 297:18 1996 249:1 251:8 2008 249:1 251:8 2008 26:21 31:20 48:22 6:7 152:5,7,13,16 7:6 229:10,23 49:2 135:16 182:12 183:3,7 184:7,10 18:2,2,11 26:8,16 171:3 343:4,5 2a 182:13 183:3,8,18 183:3,7 184:7,10 26:21 31:20 48:22 230 125:5 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25	1 1	207:24			
1994 2006 151:15,20 152:12 171:2,4 259:21,22 29 248:12 166:8 2007 252:11,17 253:15 27:16,22 297:18 178:2 182:14 183:5 214:2,6,20 237:16 249:1 251:8 2018 23 292 1996 249:1 251:8 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 229:10,23 2008 18:2,2,11 26:8,16 171:3 343:4,5 2a 182:13 183:3,8,18 183:3,7 184:7,10 184:16,21 185:19 49:7 55:3,22 56:1 6:20 2b 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25		2005			
1994 248:12 166:8 151:15,20 152:12 171:2,4 259:21,22 29 1995 166:8 2007 252:11,17 253:15 27:16,22 297:18 1996 249:1 251:8 2018 23 292 1999 249:1 251:8 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 182:13 183:3,8,18 49:2 135:16 182:12 26:21 31:20 48:22 230 125:5 184:7,11,18 184:16,21 185:19 49:7 55:3,22 56:1 6:20 2b 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25		28:14,18	′ ′	, , ,	· ·
248:12 166:8 170:12 171:5 22nd 7:6 292:20,21,24 1995 2007 252:11,17 253:15 27:16,22 297:18 1996 249:1 251:8 2018 23 292 1999 249:1 251:8 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 1999 49:2 135:16 182:12 18:2,2,11 26:8,16 171:3 343:4,5 2a 182:13 183:3,8,18 183:3,7 184:7,10 49:7 55:3,22 56:1 6:20 2b 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 126:6,12,23 127:7 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25		· · · · · · · · · · · · · · · · · · ·			
1995 2007 252:11,17 253:15 27:16,22 297:18 1996 249:1 251:8 2018 23 292 1999 2008 18:2,2,11 26:8,16 171:3 343:4,5 2a 182:13 183:3,8,18 49:2 135:16 182:12 26:21 31:20 48:22 230 125:5 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 2b 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25					7:6 292:20,21,24
178:2 182:14 183:5 214:2,6,20 237:16 2018 23 6:7 152:5,7,13,16 7:6 1996 249:1 251:8 16:20,22,25 17:1 171:3 343:4,5 2a 1999 49:2 135:16 182:12 26:21 31:20 48:22 23 2a 182:13 183:3,8,18 183:3,7 184:7,10 49:7 55:3,22 56:1 6:20 2b 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 126:6,12,23 127:7 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25					
1996 249:1 251:8 16:20,22,25 17:1 6:7 152:5,7,13,16 7:6 229:10,23 2008 18:2,2,11 26:8,16 171:3 343:4,5 2a 1999 49:2 135:16 182:12 26:21 31:20 48:22 230 125:5 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 2b 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25	178:2 182:14 183:5				
229:10,23 2008 18:2,2,11 26:8,16 171:3 343:4,5 2a 1999 49:2 135:16 182:12 26:21 31:20 48:22 230 125:5 182:13 183:3,8,18 183:3,7 184:7,10 49:7 55:3,22 56:1 6:20 2b 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 126:6,12,23 127:7 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25	1996			6:7 152:5,7,13,16	7:6
1999 49:2 135:16 182:12 26:21 31:20 48:22 230 125:5 182:13 183:3,8,18 183:3,7 184:7,10 49:7 55:3,22 56:1 6:20 2b 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 126:6,12,23 127:7 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25	229:10,23		18:2,2,11 26:8,16	171:3 343:4,5	2a
182:13 183:3,8,18 183:3,7 184:7,10 49:7 55:3,22 56:1 6:20 2b 184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 126:6,12,23 127:7 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25	1999		26:21 31:20 48:22	230	125:5
184:7,11,18 184:16,21 185:19 56:24 58:2 68:9 232 126:6,12,23 127:7 1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25	182:13 183:3,8,18		49:7 55:3,22 56:1	6:20	2b
1st 187:16 237:3,18 81:9 104:10,19 37:14 2inchthick 27:2 200834000001 148:3,11,20 233 122:25			-	232	126:6,12,23 127:7
27:2 200834000001 148:3,11,20 233 122:25		•	81:9 104:10,19	37:14	
2 0005700001					
		20002700001	, ,		
			<u> </u>		

				Page 403
	343	400	88:3 90:12,13	2:10
3				6246300
3	4:6	134:4	231:13 320:24	
4:13 11:16 26:3,4	345	40s	501	3:20
63:4,9 64:3,20	4:3,4	310:4 313:2	2:9	6th
120:3 121:4 128:9	35	41	50s	349:19
128:16 129:11,19	174:19	303:3,5	310:4 313:3	7
130:12 246:22	350	42	51	-
251:7 259:21,22	3:8	155:6	5:7 162:22 163:3,6	7
259:22,24 306:7,7	359	429	515	4:20 36:3,4 39:4,5
322:7 324:2	137:9 173:23	168:25	2:15	136:17,23 177:25
30	36	43	53	178:10,16 182:8
4:17 7:8 76:21	4:20,23 5:3 161:20	306:22	5:8	201:17 214:22
77:13,24 166:8	162:17 163:3,6	4303301	54	264:20
167:2,14 168:1	167:21 168:3	2:16	5:10	70s
,	308:2,3	44	5497164	24:4 310:7
226:16 300:6,7 303:4 304:7 305:3	360	112:16 308:3,5	2:21	71
	192:24	346:19,20	55	112:17
309:21 323:4	36104	45	167:2,14	75
300	2:4	177:16,21,23	5545549	97:1 226:23
7:8	37	46	3:5	78205
308	5:4			3:4
4:4		177:20,21 321:7	5672	J.T
30s	370	460	1:24	8
310:3 313:2 319:21	1:24	321:11,19	591	8
312	38	4632400	1:24	4:23 36:6,7 133:18
3:20	259:22,24	3:15	6	201:18 217:13
31st	39	47		298:7
17:1	321:7	5:5 277:20	6	80
32	390	49	4:19 32:25 33:2,25	
52:21	321:11,17,19	5:6	72:20 73:7 76:8	108:13
33		4th	143:8 147:6,15	82
4:19	4	16:20,25 17:8,18	170:13,19,20	125:5
334	4	17:22 18:2,5,11	171:5 237:8	877
2:5	1:14 4:12,15 8:3	18:15 56:24 112:5	240:12 285:22	1:24
336	26:10,11 115:13		286:4	9
77:15	115:14,20 116:12	5	60	
337	116:22,23 117:2	5	17:8,9,15 59:22	9
	121:17 125:18,25	4:17 30:2,3,6,9	600	1:15 4:3 5:3 8:4
191:5	160:12 162:6	31:16 32:15 33:24	2:20	36:9,10 39:2
3377	169:15 246:1	40:8 55:6,13 57:7	60606	190:17,18 207:18
1:24	248:2 249:7 308:2	60:8 72:19 73:1	3:20	222:10 232:12,16
3381100	308:3,3,5 321:1	126:2 136:21	60s	235:10 266:13
2:10	323:21 324:5,10	161:20 162:17,22	310:4,6,7 319:20	267:2
34	324:19 325:3,4,10	163:3,3 191:11,11	60th	90071
160:25 161:10,15	40	297:23,25 343:4,5	62:3	2:16
162:6	52:22 83:11 137:6	-	61	917
341		343:5,7 346:19,20		1:24
4:5	163:2,4 226:16	50	167:21 168:3,23	92101
	258:15 343:5,7	28:22,23 81:24	619	
		1	1	1

		Page	404
2:10 93 37:4 973 2:21 3:9 975 3:14 99 5:11 171:20 172:17 182:17,18,24 224:15		Page	404